

# Product Datasheet

## Cdk9 Antibody (1C4E3)

### NBP3-15345-100ul

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP3-15345](http://www.novusbio.com/NBP3-15345)

Updated 9/9/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP3-15345](http://www.novusbio.com/reviews/destination/NBP3-15345)



**NBP3-15345-100ul**

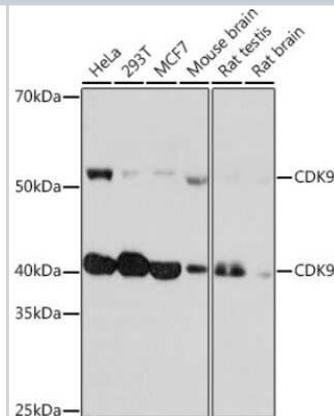
Cdk9 Antibody (1C4E3)

Product Information	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1C4E3
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.3), 50% glycerol, 0.05% BSA
<b>Target Molecular Weight</b>	43 kDa
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Cdk9 Antibody (1C4E3) (NBP3-15345) is a recombinant monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1025
<b>Gene Symbol</b>	CDK9
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 273-372 of human CDK9 (P50750). RKVKDRLKAYVRDPYALDLIDKLLVLDPAQRIDSDDALNHDFFWSDPMPSDLKG MLSTHLTSMFEYLAPPRRKGSGITQQSTNQSRNPATTNQTEFERVF
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Chromatin Immunoprecipitation Sequencing
<b>Recommended Dilutions</b>	Western Blot 1:500 - 1:3000, ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements., Immunohistochemistry 1:200 - 1:2000, Immunocytochemistry/Immunofluorescence 1:50 - 1:400, Immunoprecipitation 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells, Immunohistochemistry-Paraffin 1:200 - 1:2000, Chromatin Immunoprecipitation (ChIP) 1:50 - 1:200, Chromatin Immunoprecipitation Sequencing 2-4 ug/IP

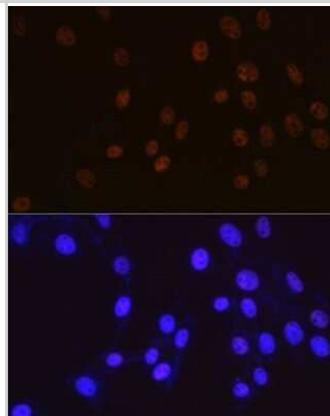


## Images

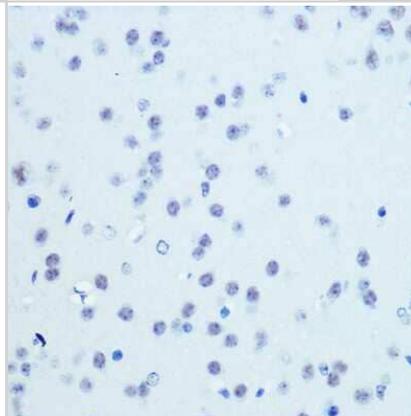
**Western Blot: Cdk9 Antibody (1C4E3) [NBP3-15345]** - Western blot analysis of extracts of various cell lines, using Cdk9 Rabbit mAb (NBP3-15345) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.



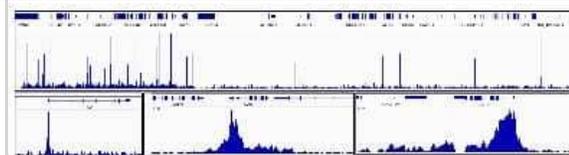
**Immunocytochemistry/Immunofluorescence: Cdk9 Antibody (1C4E3) [NBP3-15345]** - Immunofluorescence analysis of NIH-3T3 cells using Cdk9 Rabbit mAb (NBP3-15345) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



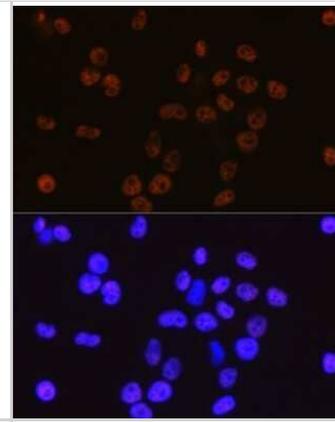
**Immunohistochemistry-Paraffin: Cdk9 Antibody (1C4E3) [NBP3-15345]** - Immunohistochemistry of paraffin-embedded mouse brain using Cdk9 Rabbit mAb (NBP3-15345) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



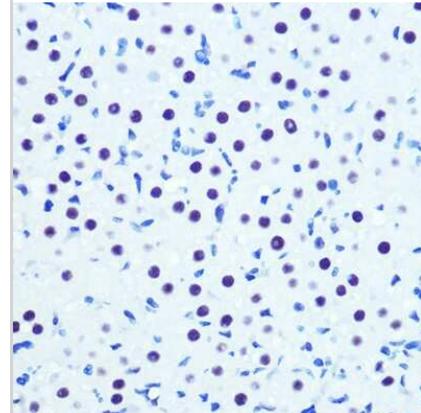
**Chromatin Immunoprecipitation Sequencing: Cdk9 Antibody (1C4E3) [NBP3-15345]** - Chromatin immunoprecipitations were performed with cross-linked chromatin from DLD-1 cells and Cdk9 Rabbit mAb (NBP3-15345). The ChIP sequencing results indicate the enrichment pattern of Cdk9 in selected genomic region and representative gene loci (e.g. RAC1, GAPDH and ACTB), as shown in figure.



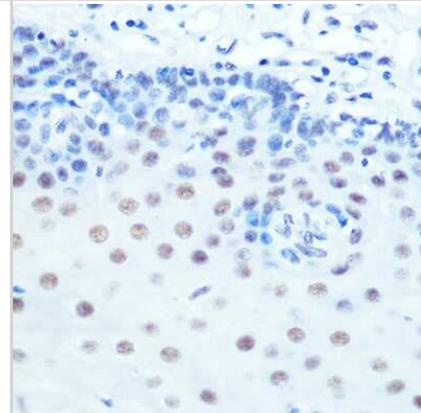
Immunocytochemistry/Immunofluorescence: Cdk9 Antibody (1C4E3) [NBP3-15345] - Immunofluorescence analysis of HeLa cells using Cdk9 Rabbit mAb (NBP3-15345) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



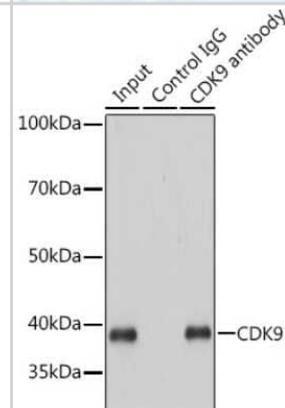
Immunohistochemistry-Paraffin: Cdk9 Antibody (1C4E3) [NBP3-15345] - Immunohistochemistry of paraffin-embedded rat ovary using Cdk9 Rabbit mAb (NBP3-15345) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



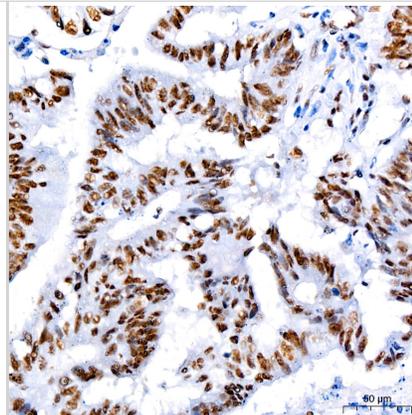
Immunohistochemistry-Paraffin: Cdk9 Antibody (1C4E3) [NBP3-15345] - Immunohistochemistry of paraffin-embedded human esophageal using Cdk9 Rabbit mAb (NBP3-15345) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



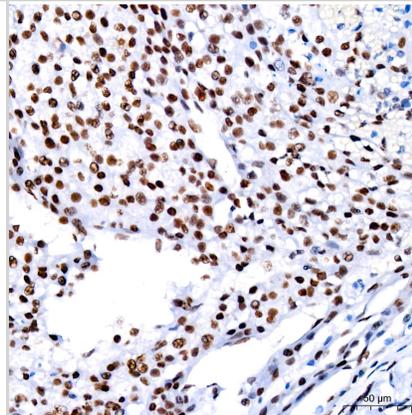
Immunoprecipitation: Cdk9 Antibody (1C4E3) [NBP3-15345] - Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug Cdk9 antibody (NBP3-15345). Western blot was performed from the immunoprecipitate using Cdk9 antibody (NBP3-15345) at a dilution of 1:1000.



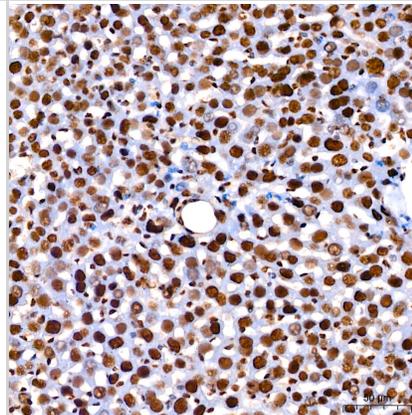
Immunohistochemistry: Cdk9 Antibody (1C4E3) [Cdk9] -  
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] Cdk9 Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



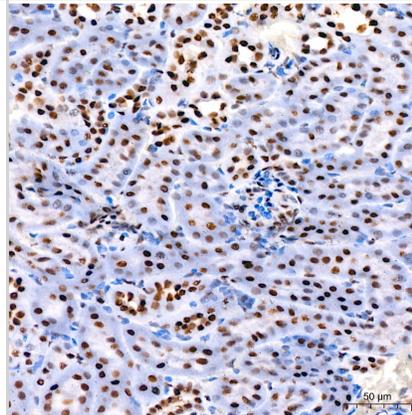
Immunohistochemistry: Cdk9 Antibody (1C4E3) [Cdk9] -  
Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using [KO Validated] Cdk9 Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



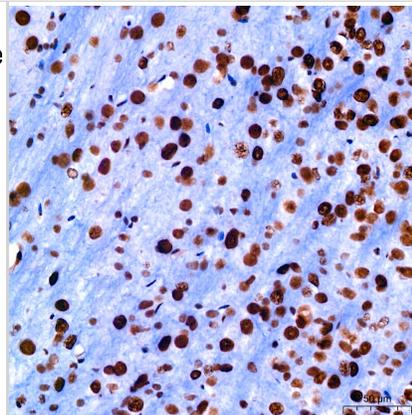
Immunohistochemistry: Cdk9 Antibody (1C4E3) [Cdk9] -  
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using [KO Validated] Cdk9 Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



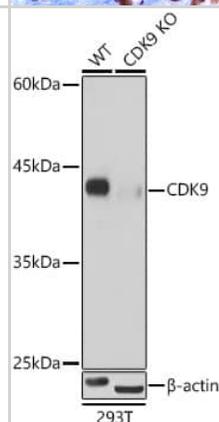
Immunohistochemistry: Cdk9 Antibody (1C4E3) [Cdk9] -  
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using [KO Validated] Cdk9 Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



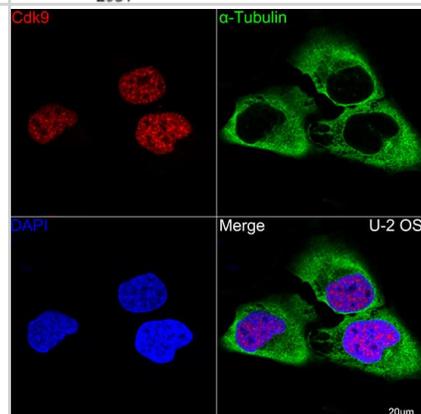
**Immunohistochemistry: Cdk9 Antibody (1C4E3) [Cdk9] -**  
 Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] Cdk9 Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



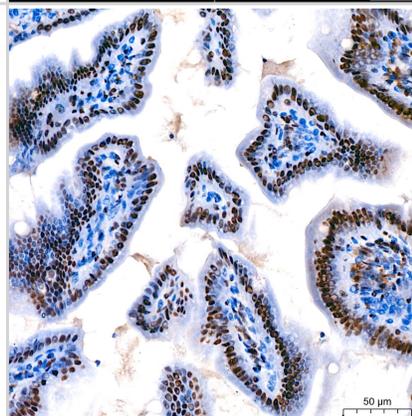
**Western Blot: Cdk9 Antibody (1C4E3) [Cdk9] -** Western blot analysis of lysates from wild type(WT) and Cdk9 knockout (KO) 293T cells, using [KO Validated] Cdk9 Rabbit mAb at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit . Exposure time: 1s.



**Immunocytochemistry/ Immunofluorescence: Cdk9 Antibody (1C4E3) [Cdk9] -** Confocal imaging of U-2 OS cells using [KO Validated] Cdk9 Rabbit mAb . The cells were counterstained with alpha-Tubulin Mouse mAb (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



**Immunohistochemistry: Cdk9 Antibody (1C4E3) [Cdk9] -**  
 Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using [KO Validated] Cdk9 Rabbit mAb at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP3-15345-100ul**

---

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP3-15345](http://www.novusbio.com/reviews/submit/NBP3-15345)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

