

# Product Datasheet

## Isocitrate Dehydrogenase 1/IDH1 Antibody - BSA Free NBP1-31599

Unit Size: 100 ul

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP1-31599****Isocitrate Dehydrogenase 1/IDH1 Antibody - BSA Free**

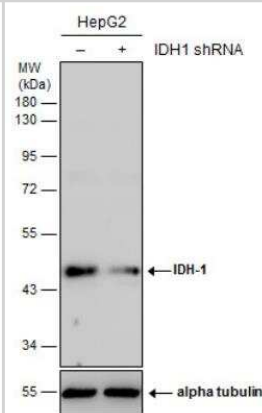
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	47 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit Isocitrate Dehydrogenase 1/IDH1 Antibody - BSA Free (NBP1-31599) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-Isocitrate Dehydrogenase 1/IDH1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3417
<b>Gene Symbol</b>	IDH1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Isocitrate Dehydrogenase 1/IDH1. The exact sequence is proprietary.

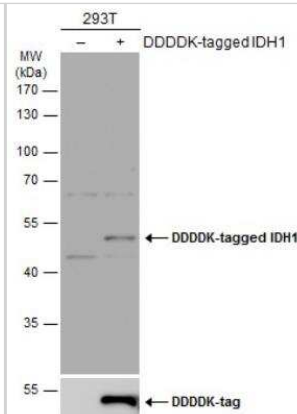
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Knockdown Validated, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry 1:1000-1:10000, Immunoprecipitation 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated, Knockdown Validated

**Images**

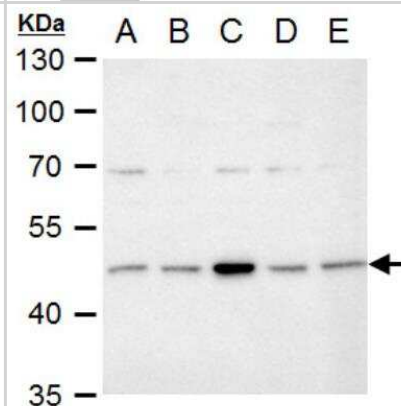
Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599] - Non-transfected (-) and transfected (+) HepG2 whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with IDH1 antibody. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



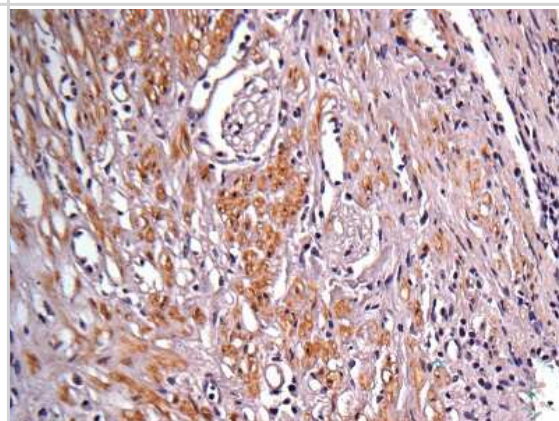
**Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599]**  
 - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with IDH1 antibody diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody



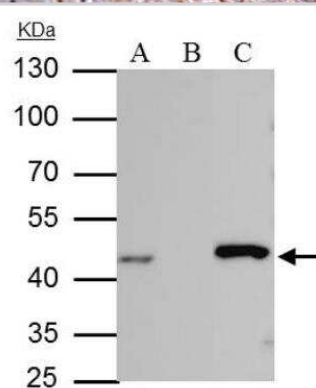
**Western Blot: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599]**  
 - A. 30 ug Neuro2A whole cell extract B. 30 ug C8D30 whole cell extract C. 30 ug NIH-3T3 whole cell extract D. 30 ug Raw 264.7 whole cell extract E. 30 ug C2C12 whole cell extract 10 % SDS-PAGE IDH1 antibody dilution: 1:1000



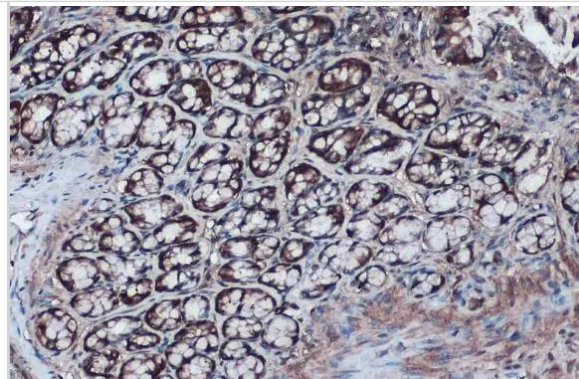
**Immunohistochemistry-Paraffin: Isocitrate dehydrogenase Antibody [NBP1-31599]** - Paraffin-embedded colon ca, using antibody at 1:100 dilution.



**Immunoprecipitation: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599]** - HepG2 whole cell lysate/extract A : 30 ug whole cell lysate/extract of IDH1 protein expressing HepG2 cells B : Control with 2.5 ug of pre-immune rabbit IgG C : Immunoprecipitation of IDH-1 protein by 2.5 ug of IDH-1 antibody 10% SDS-PAGE The immunoprecipitated IDH-1 protein was detected by IDH-1 antibody diluted at 1 : 1000. EasyBlot anti-rabbit IgG (HRP) was used as a secondary reagent.



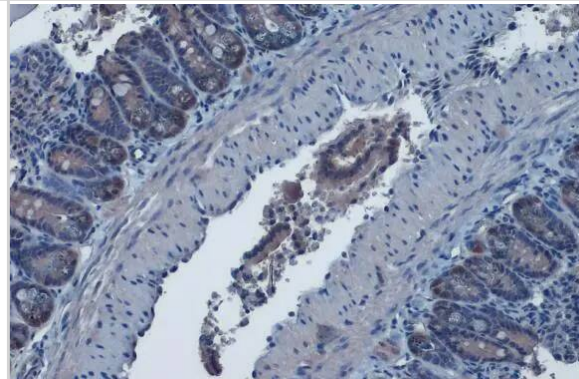
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599] - Isocitrate Dehydrogenase 1/IDH1 antibody detects Isocitrate Dehydrogenase 1/IDH1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat colon. Isocitrate Dehydrogenase 1/IDH1 stained by Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



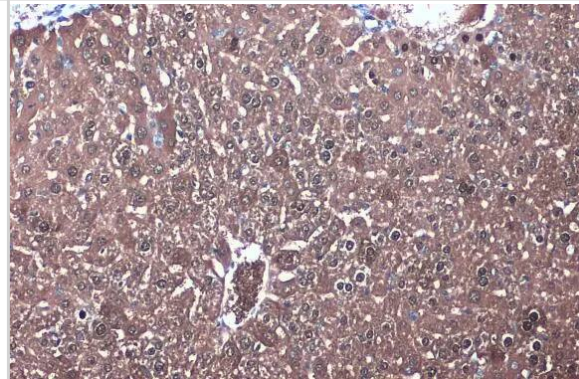
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599] - Isocitrate Dehydrogenase 1/IDH1 antibody detects Isocitrate Dehydrogenase 1/IDH1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded rat duodenum. Isocitrate Dehydrogenase 1/IDH1 stained by Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



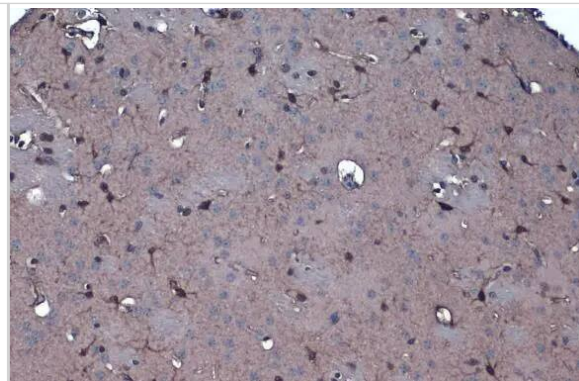
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599] - Isocitrate Dehydrogenase 1/IDH1 antibody detects Isocitrate Dehydrogenase 1/IDH1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse intestine. Isocitrate Dehydrogenase 1/IDH1 stained by Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



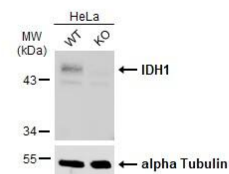
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599] - Isocitrate Dehydrogenase 1/IDH1 antibody detects Isocitrate Dehydrogenase 1/IDH1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse liver. Isocitrate Dehydrogenase 1/IDH1 stained by Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



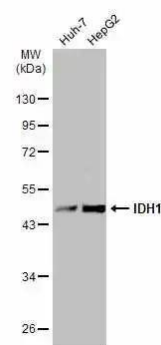
Immunohistochemistry-Paraffin: Isocitrate Dehydrogenase 1/IDH1 Antibody [NBP1-31599] - Isocitrate Dehydrogenase 1/IDH1 antibody detects Isocitrate Dehydrogenase 1/IDH1 protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse brain. Isocitrate Dehydrogenase 1/IDH1 stained by Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



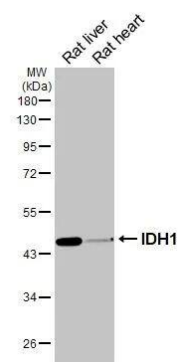
Wild-type (WT) and Isocitrate Dehydrogenase 1/IDH1 knockout (KO) HeLa cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Isocitrate Dehydrogenase 1/IDH1 antibody (NBP1-31599) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

de Oliveira B M, Matsumura C Y et al. Quantitative proteomic analysis reveals metabolic alterations, calcium dysregulation, and increased expression of extracellular matrix proteins in laminin alpha 2 chain-deficient muscle. Mol Cell Proteomics 2014-01-11 [PMID: 24994560] (WB, Mouse)



### **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 NBP1-31599**

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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

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### **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.

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