

# Product Datasheet

## ERK2 Antibody (OTI6E5) NBP1-47842

Unit Size: 0.1 ml

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

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**NBP1-47842**

ERK2 Antibody (OTI6E5)

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI6E5
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	41.4 kDa

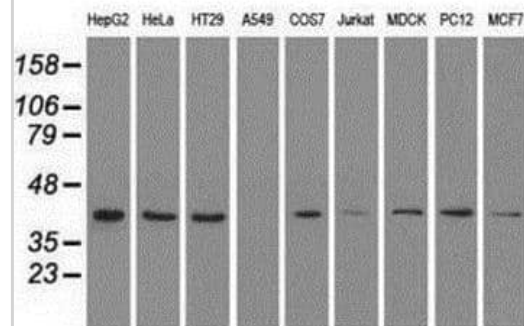
Product Description	
Description	Novus Biologicals Mouse ERK2 Antibody (OTI6E5) (NBP1-47842) is a monoclonal antibody validated for use in IHC, WB and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5594
Gene Symbol	MAPK1
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This antibody is specific for Homo sapiens mitogen-activated protein kinase 1 (MAPK1), transcript variant 2.
Immunogen	Full length human recombinant protein of human MAPK1(NP_620407) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:50, Immunoprecipitation 2-4ug/mg, Immunohistochemistry-Paraffin 1:50

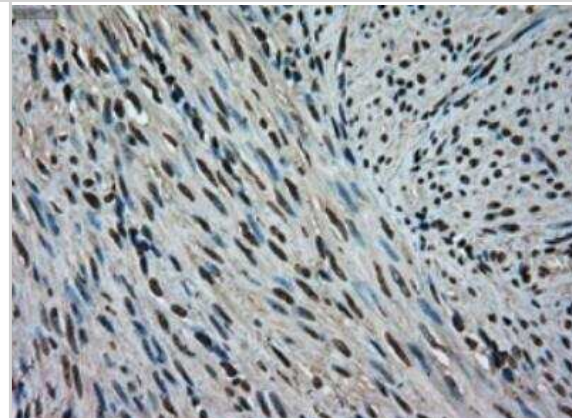


## Images

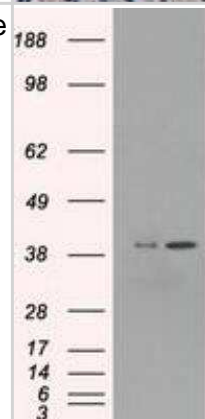
Western Blot: ERK2 Antibody (6E5) [NBP1-47842] - Analysis of extracts (35ug) from 9 different cell lines by using anti-ERK2 monoclonal antibody.



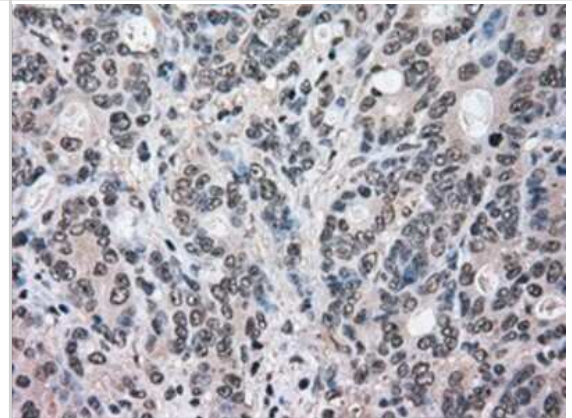
Immunohistochemistry-Paraffin: ERK2 Antibody (6E5) [NBP1-47842] - Endometrium tissue within the normal limits using antiMAPK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, Dilution 1:50)



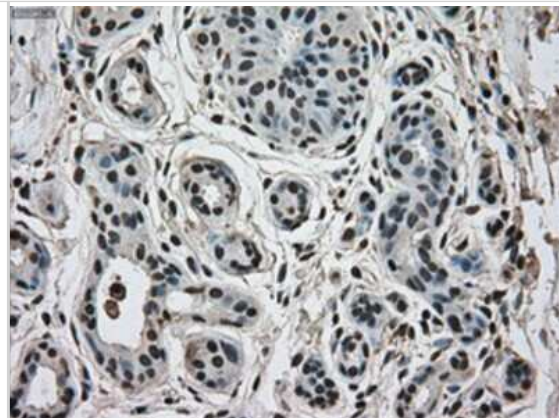
Western Blot: ERK2 Antibody (6E5) [NBP1-47842] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ERK2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ERK2.



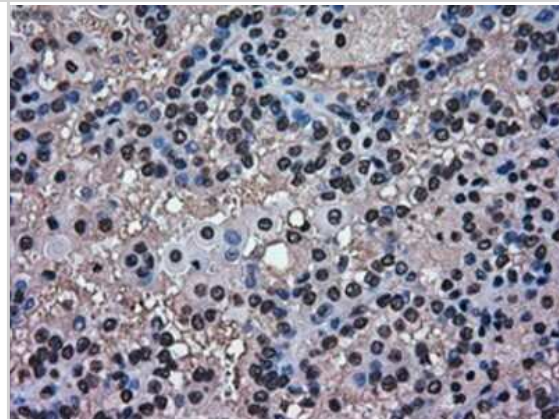
Immunohistochemistry-Paraffin: ERK2 Antibody (6E5) [NBP1-47842] - Staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-ERK2 mouse monoclonal antibody.



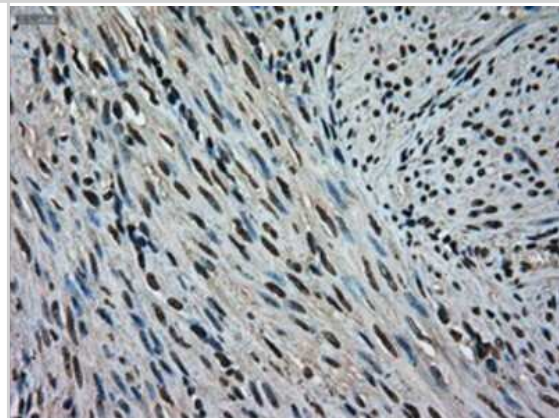
Immunohistochemistry-Paraffin: ERK2 Antibody (6E5) [NBP1-47842] - Staining of paraffin-embedded breast tissue using anti-ERK2 mouse monoclonal antibody.



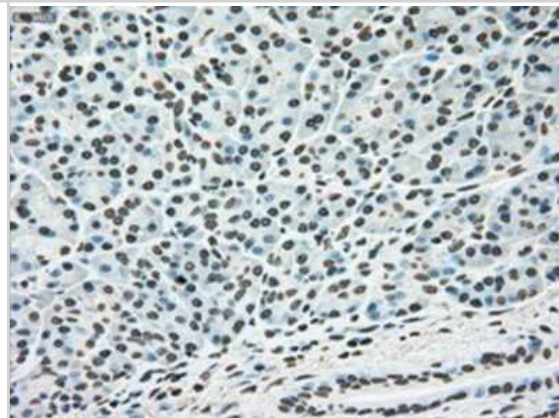
Immunohistochemistry-Paraffin: ERK2 Antibody (6E5) [NBP1-47842] - Staining of paraffin-embedded Carcinoma of kidney tissue using anti-ERK2 mouse monoclonal antibody.



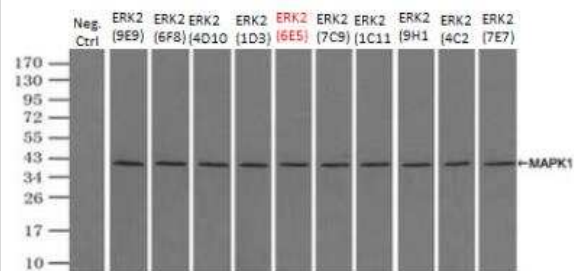
Immunohistochemistry-Paraffin: ERK2 Antibody (6E5) [NBP1-47842] - Staining of paraffin-embedded endometrium tissue using anti-ERK2 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: ERK2 Antibody (6E5) [NBP1-47842] - Staining of paraffin-embedded pancreas tissue using anti-ERK2 mouse monoclonal antibody.



Immunoprecipitation: ERK2 Antibody (6E5) [NBP1-47842] - TrueMab monoclonal anti-ERK2 antibody (Negative control: IP without adding anti-ERK2 antibody). For each experiment, 500ul of DDK tagged ERK2 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of antibody.





### **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 NBP1-47842**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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