

# Product Datasheet

## ERK2 Antibody (OTI6E5) - Azide and BSA Free NBP2-71233

Unit Size: 100 ug

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/NBP2-71233](http://www.novusbio.com/NBP2-71233)

Updated 9/20/2021 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/NBP2-71233](http://www.novusbio.com/reviews/destination/NBP2-71233)



**NBP2-71233**

ERK2 Antibody (OTI6E5) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI6E5
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with PBS (pH 7.3). To use this carrier-free antibody for conjugation experiments, another round of desalting is highly recommended.
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Lyophilized from PBS (pH 7.3) with 8% Trehalose
<b>Target Molecular Weight</b>	41.4 kDa

**Product Description**

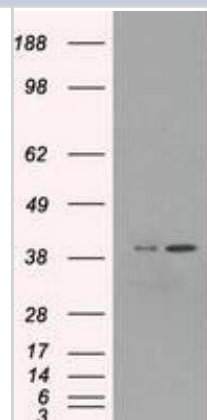
<b>Host</b>	Mouse
<b>Gene ID</b>	5594
<b>Gene Symbol</b>	MAPK1
<b>Species</b>	Human, Mouse, Rat, Canine, Monkey
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments 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.
<b>Immunogen</b>	Full length human recombinant protein of human MAPK1(NP_620407) produced in HEK293T cell.

**Product Application Details**

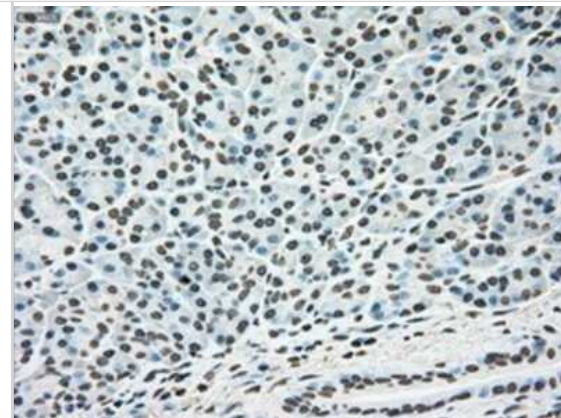
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry 1:50, Immunoprecipitation 2-4ug/mg

**Images**

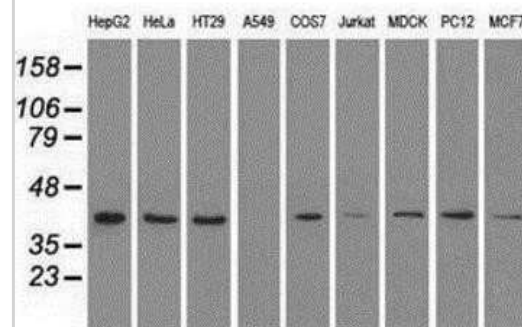
Western Blot: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ERK2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ERK2.



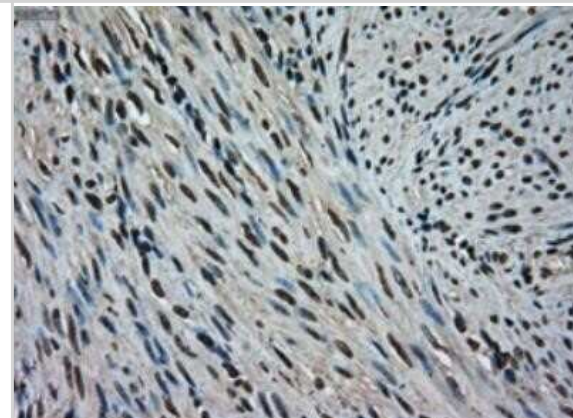
Immunohistochemistry: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Staining of paraffin-embedded pancreas tissue using anti-ERK2 mouse monoclonal antibody.



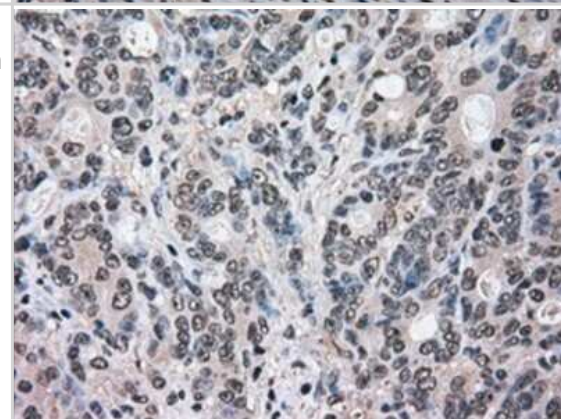
Western Blot: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Analysis of extracts (35ug) from 9 different cell lines by using anti-ERK2 monoclonal antibody.



Immunohistochemistry: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Endometrium tissue within the normal limits using antiMAPK1mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min,Dilution 1:50)

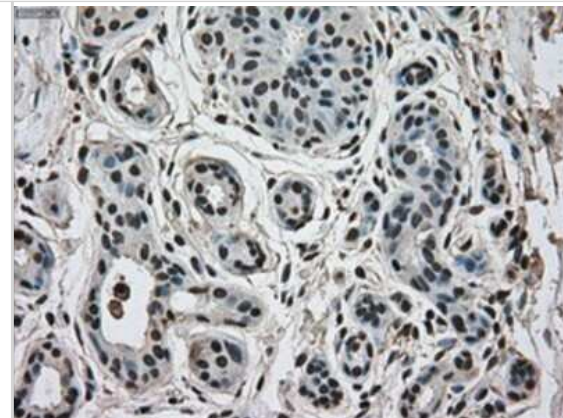


Immunohistochemistry: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-ERK2 mouse monoclonal antibody.

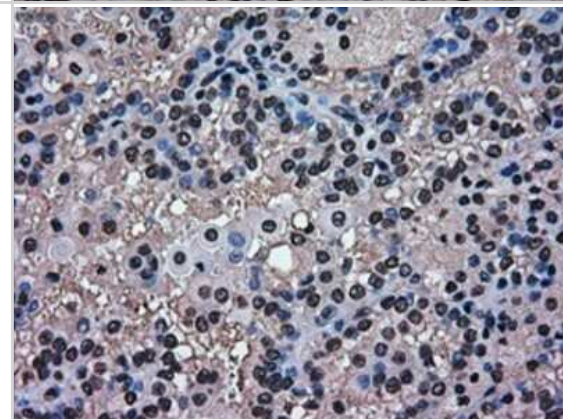




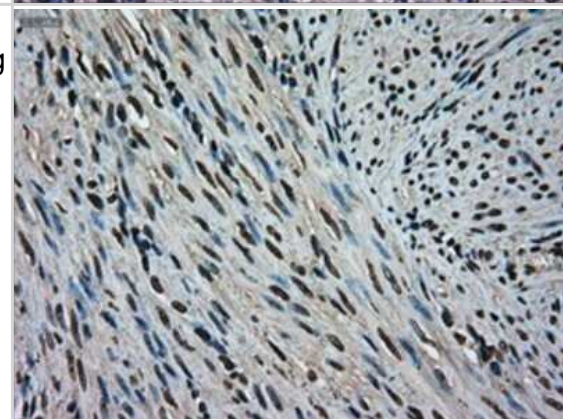
Immunohistochemistry: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Staining of paraffin-embedded breast tissue using anti-ERK2 mouse monoclonal antibody.



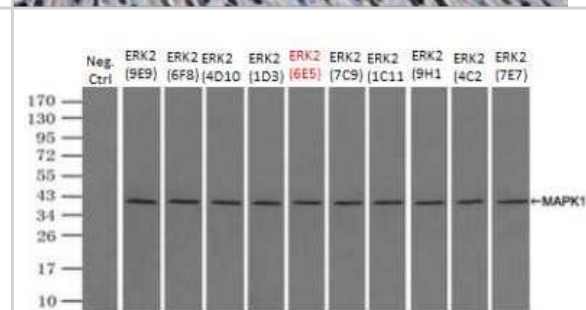
Immunohistochemistry: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Staining of paraffin-embedded Carcinoma of kidney tissue using anti-ERK2 mouse monoclonal antibody.



Immunohistochemistry: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - Staining of paraffin-embedded endometrium tissue using anti-ERK2 mouse monoclonal antibody.



Immunoprecipitation: ERK2 Antibody (OTI6E5) - Azide and BSA Free [NBP2-71233] - 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](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-71233**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-30309	Recombinant Human ERK2 His Protein

---

### **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/NBP2-71233](http://www.novusbio.com/reviews/submit/NBP2-71233)

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

