

# Product Datasheet

## ERK2 Antibody (10C7)

### NBP3-26150-100ul

Unit Size: 100 ul

Store at -20 to -70C. Avoid freeze-thaw cycles.

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**NBP3-26150-100ul**

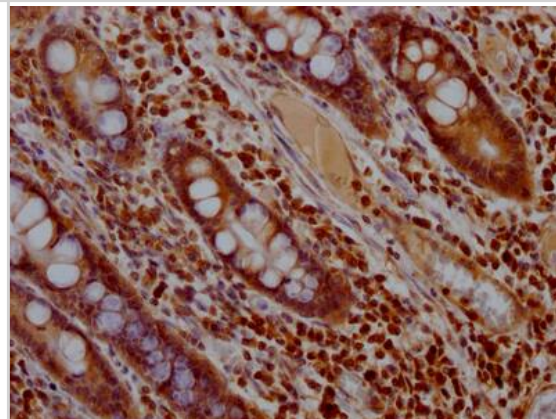
ERK2 Antibody (10C7)

<b>Product Information</b>	
<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 -20 to -70C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	10C7
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS, pH 7.4, 150mM NaCl, and 50% glycerol
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5594
<b>Gene Symbol</b>	MAPK1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthesized peptide derived from Human ERK2 [UniProt P28482]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:5000, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:20-1:200



## Images

**Immunohistochemistry: ERK2 Antibody (10C7) [NBP3-26150]** - Image of ERK2 Antibody (10C7) diluted at 1:100 and staining in paraffin-embedded human colon cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



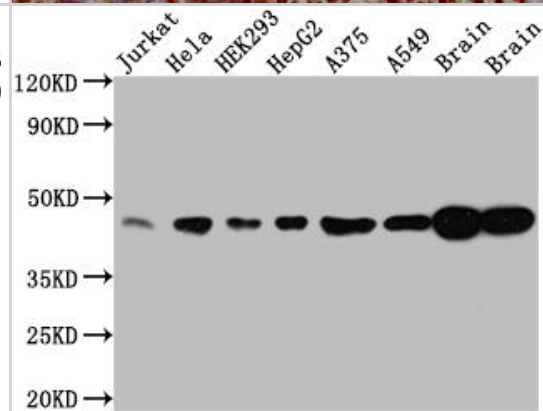
**Western Blot: ERK2 Antibody (10C7) [NBP3-26150]** - Positive Western Blot detected in: Jurkat whole cell lysate, HeLa whole cell lysate, HEK293 whole cell lysate, HepG2 whole cell lysate, A375 whole cell lysate, A549 whole cell lysate, Rat Brain whole cell lysate, Mouse Brain whole cell lysate.

All lanes: ERK2 Antibody at 1: 1000

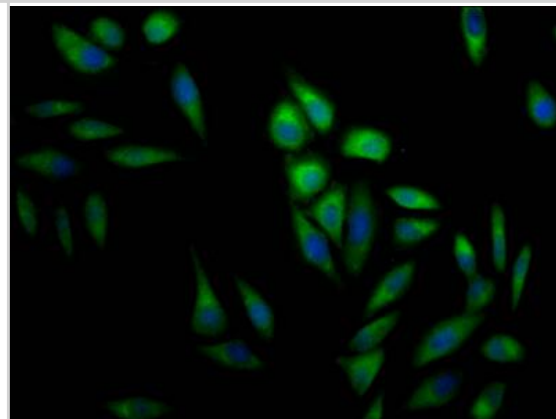
Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution.

Predicted band size: 42, 37 kDa

Observed band size: 42 kDa



**Immunocytochemistry/Immunofluorescence: ERK2 Antibody (10C7) [NBP3-26150]** - Staining of HeLa Cells with ERK2 Antibody (10C7) at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% Triton X-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated Goat Anti-Rabbit IgG (H+L).





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### **Products Related to NBP3-26150-100ul**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-30309	Recombinant Human ERK2 His Protein

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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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