

# Product Datasheet

## ERK1 Antibody (1E5) NBP2-22203

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP2-22203**

ERK1 Antibody (1E5)

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1E5
<b>Preservative</b>	0.03% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Ascites
<b>Buffer</b>	Ascites
<b>Target Molecular Weight</b>	44 kDa

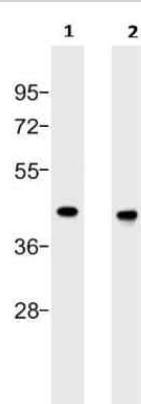
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse ERK1 Antibody (1E5) (NBP2-22203) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-ERK1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	5595
<b>Gene Symbol</b>	MAPK3
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Immunogen</b>	Purified recombinant fragment of human ERK1 expressed in E. Coli.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000

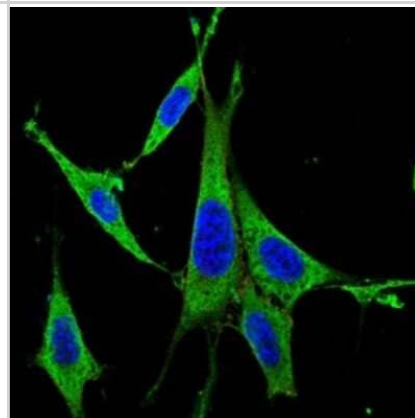


## Images

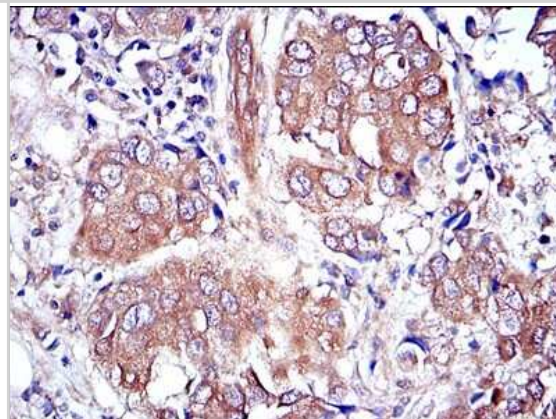
**Western Blot: ERK1 Antibody (1E5) [NBP2-22203]** - Western blot analysis of whole cell lysates from (1) MCF7 (2) NIH3T3 cell lines using ERK1 antibody (clone 1E5) at 1:1000 dilution. The signal was developed using HRP labeled goat-anti Mouse secondary antibody with ECL based detection.



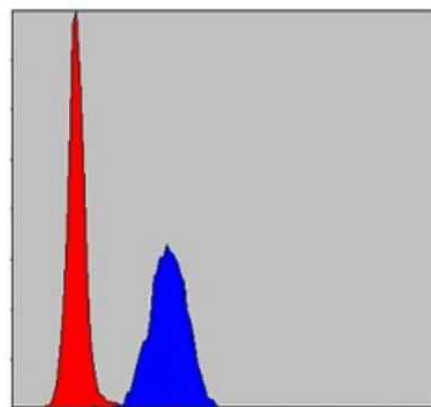
**Immunocytochemistry/Immunofluorescence: ERK1 Antibody (1E5) [NBP2-22203]** - Analysis of NIH/3T3 cells using ERK1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



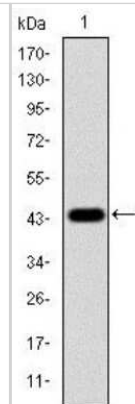
**Immunohistochemistry-Paraffin: ERK1 Antibody (1E5) [NBP2-22203]** - Immunohistochemical analysis of paraffin-embedded breast cancer tissues using ERK1 mouse mAb with DAB staining.



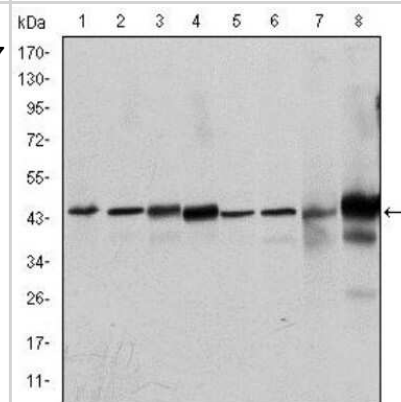
**Flow Cytometry: ERK1 Antibody (1E5) [NBP2-22203]** - Flow cytometric analysis of Hela cells using ERK1 mouse mAb (blue) and negative control (red).



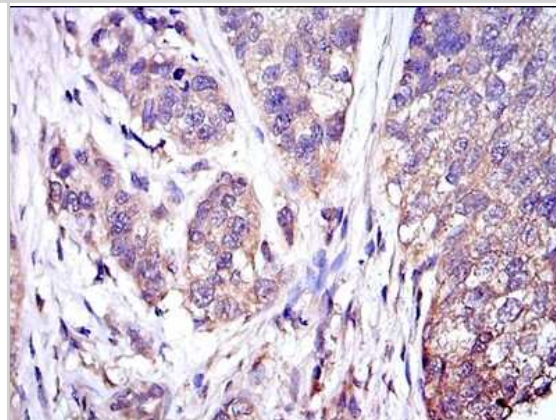
Western Blot: ERK1 Antibody (1E5) [NBP2-22203] - Analysis using MAPK3 mAb against human ERK1 (AA: 9-143) recombinant protein. (Expected MW is 40.8 kDa)



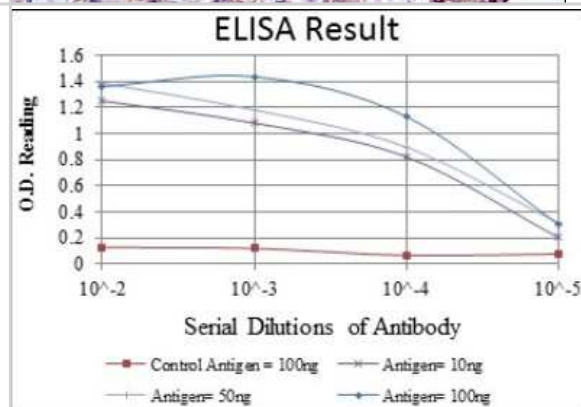
Western Blot: ERK1 Antibody (1E5) [NBP2-22203] - Western blot analysis using ERK1 mouse mAb against Hela (1), Jurkat (2), RAW264.7 (3), HEK293 (4), K562 (5), NIH/3T3 (6), Cos7 (7) and PC-12 (8) cell lysate.



Immunohistochemistry-Paraffin: ERK1 Antibody (1E5) [NBP2-22203] - Analysis of paraffin-embedded bladder cancer tissues using ERK1 mouse mAb with DAB staining.



ELISA: ERK1 Antibody (1E5) [NBP2-22203] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng)



## Publications

Hattler JB, Irons DL, Luo J, Kim WK Downregulation of CCR5 on brain perivascular macrophages in simian immunodeficiency virus-infected rhesus macaques Brain and behavior 2023-06-27 [PMID: 37366075]



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### **Products Related to NBP2-22203**

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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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