

Product Datasheet

ERK1 [p Thr202, p Tyr204] Antibody - Azide Free NB500-141

Unit Size: 0.1 ml

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

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NB500-141

ERK1 [p Thr202, p Tyr204] Antibody - Azide Free

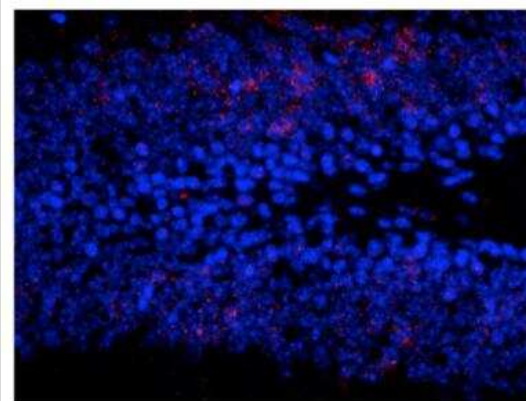
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	42 kDa
Product Description	
Host	Rabbit
Gene ID	5595
Gene Symbol	MAPK3
Species	Human, Mouse, Rat, Chicken
Reactivity Notes	Chicken reactivity reported in scientific literature (PMID: 31400551).
Specificity/Sensitivity	Specific for endogenous levels of the ~42 - 44 kDa ERK1 protein phosphorylated at Thr202 and Tyr204. Immunolabeling is completely eliminated by treatment with lambda-phosphatase.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding ERK1 conjugated to KLH. Accession # P63086
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:500, Immunocytochemistry/ Immunofluorescence 1:100 - 1:250, Immunohistochemistry-Paraffin
Application Notes	NB500-141 can be used in Western blot where a band is seen at ~ 42-44 kDa, representing ERK 1/2. Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 26232338)

Images

Western Blot: ERK1 [p Thr202, p Tyr204] Antibody [NB500-141] - Human T47D cell lysates showing specific immunolabeling of ~42-44k ERK/MAPK protein phosphorylated at Thr202/Tyr204 (Control). Phosphospecificity is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the phospho Thr202/Tyr204 ERK/MAP antibody. The immunolabeling is completely eliminated by treatment with lambda-Ptase.



Immunohistochemistry: ERK1 [p Thr202, p Tyr204] Antibody [NB500-141] - Immunostaining of granule cells in the dentate gyrus of saline treated mouse showing ERK/MAPK when phosphorylated at Thr202/Tyr204 (red) and nuclei (blue). Photo courtesy of Robert Wine.



Publications

Wang N, Lu L, Cao Qf Et Al. Partial inhibition of activin receptor-like kinase 4 alleviates bladder fibrosis caused by bladder outlet obstruction Experimental cell research 2021-07-06 [PMID: 34237300] (WB)

Lin X, Ma Y, Qian T et al. Basic Fibroblast Growth Factor Promotes Prehierarchical Follicle Growth and Yolk Deposition in the Chicken Theriogenology 2019-07-01 [PMID: 31400551] (Chicken)

Nymoer DA, Hetland Falkenthal TE, Holth A et al. Expression and clinical role of chemoresponse-associated genes in ovarian serous carcinoma. Gynecol. Oncol. 2015-07-29 [PMID: 26232338] (IHC-P, Human)



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Products Related to NB500-141

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-48333-0.1mg	Recombinant Human ERK1 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.

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