

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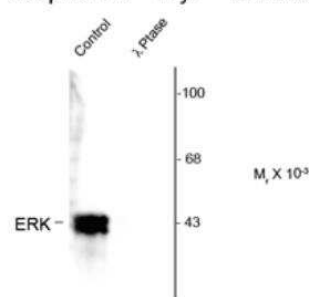
NB500-141**ERK1 [p Thr202, p Tyr204] Antibody - Azide Free**

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	
Description	Novus Biologicals Rabbit ERK1 [p Thr202, p Tyr204] Antibody - Azide Free (NB500-141) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ERK1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
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)

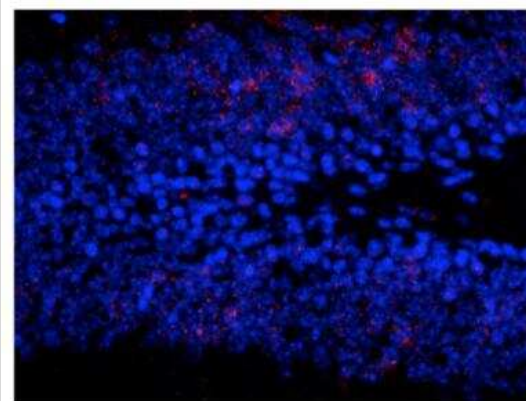
Images

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.

Anti-Phospho-Thr²⁰²/Tyr²⁰⁴ ERK/MAPK



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)

Nymoan 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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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