

Anti-ERK1/2 (MAPK) (Thr202/Tyr204) Antibody

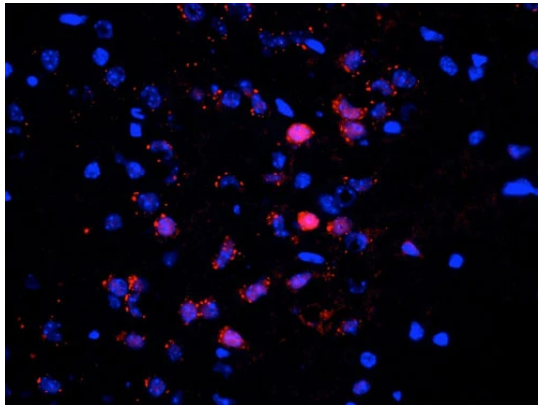


Product Details

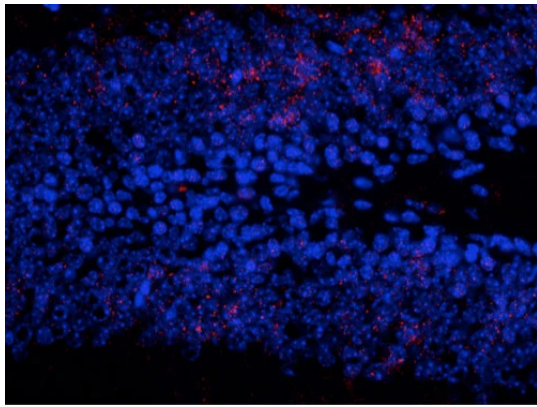
Available Variants	100 µL (SKU:p160-2024) 25 µL (SKU:p160-2024t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MAPK1/2
Host Species	Rabbit
Format	Antigen Affinity Purified from Pooled Serum
Physical State	Liquid
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Production Notes	Prepared from pooled rabbit serum by affinity purification via sequential chromatography on phospho and non-phosphopeptide affinity columns.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100-1:500 ICC: 1:100-1:250
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Thr202/Tyr204 of rat ERK/MAPK conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~42 - 44 kDa ERK/MAPK protein phosphorylated at Thr202 and Tyr204. Immunolabeling is completely eliminated by treatment with λ-phosphatase.
Molecular Weight	42/44 kDa
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Antibody Registry ID	AB_2492090
UniProt ID	<u>P63086</u>
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Expected Reactivity	Bovine, Canine, Chicken, Non-Human Primate, Xenopus, Zebrafish
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Thr202, Tyr204
NCBI Gene ID	116590

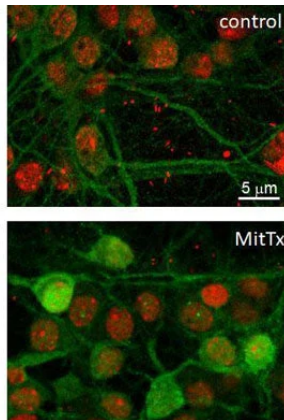
Product Images



Immunostaining of neurons in the frontal cortex of saline treated mouse brain identifying cytoplasmic and nuclear staining of ERK/MAPK when phosphorylated at Thr202/Tyr204 (Cat. p160-2024, red, 1:500). The intense nuclear staining of a few neurons shows stimulation of the neuron resulting in translocation of the protein. The blue is staining nuclei with DAPI. Photo courtesy of Robert Wine.



Immunostaining of granule cells in the dentate gyrus of the hippocampus from saline treated mouse brain staining ERK/MAPK when phosphorylated at Thr202/Tyr204 (Cat. p160-2024, 1:500, red). The blue is staining nuclei with DAPI. The MAPK positive neurons show punctate staining primarily localized in the nucleus with few staining both cytoplasmic and nuclear. Photo courtesy of Robert Wine.



Immunolabeling of cultured mouse hippocampal neurons fixed and stained with anti-phospho-ERK/MAPK Thr202/Tyr204 (p160-2024, green, 1:100) and red nuclear stain Propidium Iodide. The labeling identifies an increase in ERK/MAPK phosphorylation when hippocampal neurons are treated with a specific ASIC1a activator, MitTx toxin (20 nM, 4 min). Image kindly provided by Carina Weissmann, IFIBYNE-CONICET.

Product Page URL: www.antibodiesinc.com/products/anti-erk1-2-mapk-thr202-tyr204-antibody-p160-2024



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