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PRODUCT DATASHEET

Anti-MEK5 (Ser311, Thr315) Antibody

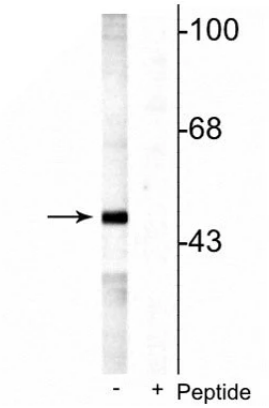
phosphosolutions ANTIBODIES THAT WORK Pooled Serum

Product Details

Available Variants	100 µL (SKU:p183-3115) 25 µL (SKU:p183-3115t)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	MAP2K5
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	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser311/Thr315 of rat MEK5, conjugated to keyhole limpet hemocyanin (KLH).
Specificity	Specific for endogenous levels of the ~49 kDa MEK5 protein phosphorylated at Ser311, Thr315. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
Molecular Weight	49 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_2492149
UniProt ID	Q62862 UniProt Summary: Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis. As part of the MAPK/ERK signaling pathway, acts as a negative regulator of apoptosis in cardiomyocytes via promotion of STUB1/CHIP-mediated ubiquitination and degradation of ICER-type isoforms of CREM (By similarity). {ECO:0000250|UniProtKB:Q62862, ECO:0000269|PubMed:7759517, ECO:0000269|PubMed:9384584}.
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, Human, Non-Human Primate, Mouse, Xenopus, Zebrafish
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser311, Thr315
NCBI Gene ID	29568

Product Images



Western blot of rat testes lysate showing specific labeling of the ~49 kDa MEK5 protein phosphorylated at Ser311 Thr315 in the first lane (-). Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as the antigen, but not by the corresponding non-phosphopeptide (not shown).



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