

Datasheet for ABIN372667

anti-MAP2K5 antibody (pSer311, pThr315)



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Overview

Quantity:	0.1 mL
Target:	MAP2K5
Binding Specificity:	pSer311, pThr315
Reactivity:	Human, Mouse, Rat, Dog, Cow, Xenopus laevis, Zebrafish (Danio rerio), Chicken, Non-Human Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Phosphopeptide corresponding to amino acid residues surrounding the phospho-Ser311, Thr315 of MEK5.
Isotype:	IgG
Specificity:	This antibody is specific for the ~49k MEK5 protein phosphorylated at Ser311, Thr315. Immunolabeling of the MEK5 band is blocked by preadsorption with the phospho-peptide used as antigen but not be the corresponding dephospho-peptide.
Cross-Reactivity (Details):	Species reactivity (expected): Mouse, Human, Chicken, Bovine, Canine, non-Human Primates, Xenopus, and Zebrafish. Species reactivity (tested): Rat.
Purification:	Sequential Chromatography on phospho- and dephosphopeptide affinity columns.

Target Details

Target:	MAP2K5
Alternative Name:	MAP2K5 (MAP2K5 Products)
Background:	MEK5 (also known as MKK5) is a dual specificity serine/threonine protein kinase belonging to the MAP kinase kinase family. MEK5 has been shown to specifically activate ERK5 (Zhou et al., 1995) whereas MEK5 itself is regulated by MEKK3 (Chao et al., 1999). An important link between MEK5 and metastatic prostate cancer has been demonstrated (Mehta et.al., 2003). Dual phosphorylation of Ser311 and Thr315 have been implicated in cell proliferation (Cameron et al., 2004). Synonyms: Dual specificity mitogen-activated protein kinase kinase 5, MAP kinase kinase 5, MAPKK 5, MEK5, MKK5
Gene ID:	29568
NCBI Accession:	NP_001029159
UniProt:	Q62862
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway

Application Details

Application Notes:	Western blot: 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA and 50 % Glycerol.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at -20 °C.

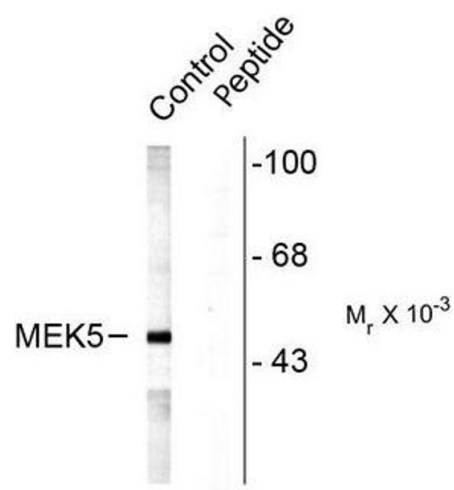


Image 1.