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anti-MAP2K5 antibody (AA 311-315)



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Quantity:	100 μL
Target:	MAP2K5
Binding Specificity:	AA 311-315
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around aa. 311-315(K-T-Y-V-G) derived from Rat MEK5.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Purification:	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide	

Target Details

Target:	MAP2K5
Alternative Name:	Map2k5 (MAP2K5 Products)
Background:	Background: A family of protein kinases located upstream of the MAP kinases and responsible

for their activation has been identified. The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phospho-rylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resem-bles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphory-late ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7)phosphorylates and activates the JNK signal transduction pathway.

Han, J., et al. 1996. J. Biol. Chem. 271: 2886-2891.

Jiang, Y., et al. 1996. J. Biol. Chem. 271: 17920-17926.

Tournier, C., et al. 1997. Proc. Natl. Acad. Sci. USA94: 7337-7442.

Holland, P.M., et al. 1997. J. Biol. Chem. 272: 24994-24998.

Aliases: Map2k5 antibody, Mek5 antibody, Mkk5 antibody, Prkmk5 antibody, Dual specificity mitogen-activated protein kinase kinase 5 antibody, MAP kinase kinase 5 antibody, MAPKK 5 antibody, EC 2.7.12.2 antibody, MAPK/ERK kinase 5 antibody, MEK 5 antibody

UniProt: Q62862

Pathways: MAPK Signaling, Neurotrophin Signaling Pathway

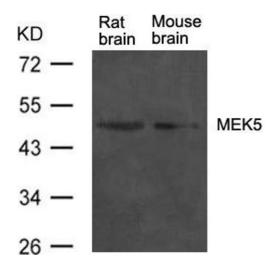
Application Details

Application Notes: WB:1:500-1:1000,

Restrictions: For Research Use only

Handling

Format:	Liquid	
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	



Western Blotting

Image 1. Western blot analysis of extract from rat brain and mouse brain tissue using MEK5 Antibody