

Product Information

Size:

100ul

Reactivity:

Human, Rat, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000

Protein 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 phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles 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 phosphorylate ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway. Jiang, Y. , et al. 1996. J. Biol. Chem. 271: 17920-17926. Holland, P. M. , et al. 1997. J. Biol. Chem. 272: 24994-24998.

Gene ID:

Map2k5

Uniprot

Q62862

Synonyms:

MAP kinase kinase 5; Map2k5; MAPKK 5; MAPK/ERK kinase 5;

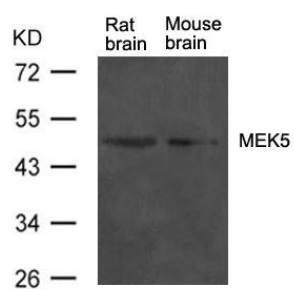
Immunogen:

Peptide sequence around aa. 311-315(K-T-Y-V-G) derived from Rat MEK5.

Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



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