

35-1755: Polyclonal Antibody to MEK5

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse,Rat
Gene :	Map2k5
Gene ID :	29568
Uniprot ID :	Q62862
Format :	Purified
Alternative Name :	MAP kinase kinase 5, Map2k5, MAPKK 5, MAPK/ERK kinase 5
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa. 311-315(K-T-Y-V-G) derived from Rat MEK5.

Description

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.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 49kd, Western blotting: 1:500

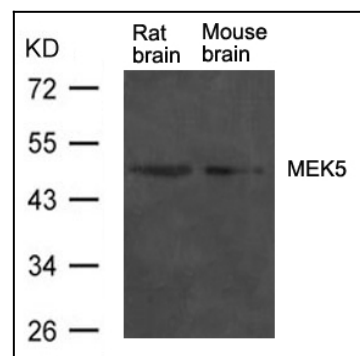


Figure 1: Western blot analysis of extract from rat brain and mouse brain tissue using MEK5 Antibody 35-1755