

35-1755: Polyclonal Antibody to MEK5

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| 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 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.

Product Info

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| 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

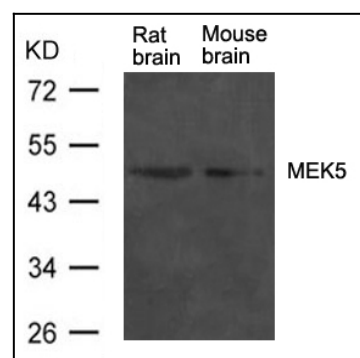


Figure 1: Western blot analysis of extract from rat brain and mouse brain tissue using MEK5 Antibody 35-1755