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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 phosphor-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

Amount : 50 μl / 100 μl

Content: 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.

Storage condition:

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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

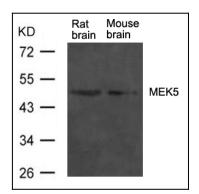


Figure 1: Western blot analysis of extract from rat brain and mouse brain tissue using MEK5 Antibody 35-1755