

# MEK5 Antibody

Catalog No: #21559



Package Size: #21559-1 50ul #21559-2 100ul #21559-4 25ul

## Overview

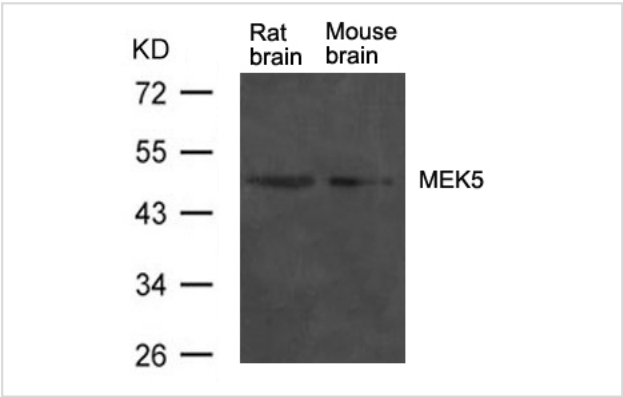
Product Name	MEK5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Rt Ms
Immunogen Type	Peptide-KLH
Target Name	MEK5
Alternative Names	MAP kinase kinase 5; Map2k5; MAPKK 5; MAPK/ERK kinase 5;

## Application Details

Predicted MW: 49kd

Western blotting: 1:500

## Images



Western blot analysis of extract from rat brain and mouse brain tissue using MEK5 Antibody #21559

## Descriptions

Immunogen	Peptide sequence around aa. 311-315(K-T-Y-V-G ) derived from Rat MEK5.
Specificity	The antibody detects endogenous level of total MEK5 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide
Formulation	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	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.
Accession NO.	Swiss-Prot: Q62862NCBI Protein: NP_001029159.1

## Related Information

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.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.