

Product datasheet for AP20418PU-M

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OriGene Technologies, Inc.

MEK4 (MAP2K4) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: IF, IHC, WB

Recommended Dilution: Western blot: 1/500-1/1000.

Immunohistochemistry on paraffin sections: 1/50-1/200.

Immunofluorescence: 1/50-1/200.

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Specificity: This antibody detects endogenous levels of SEK1 protein.

(region surrounding Lys350)

Formulation: Phosphate buffered saline (PBS), pH 7.2

State: Aff - Purified

State: Liquid purified lg fraction Preservative: 0.05% sodium azide

Concentration: 1.0 mg/ml

Purification: Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)

Conjugation: Unconjugated

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: ~ 44 kDa

Gene Name: mitogen-activated protein kinase kinase 4

Database Link: Entrez Gene 26398 MouseEntrez Gene 287398 RatEntrez Gene 6416 Human

P45985



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Background: 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 ERK 5, whereas MEK-6 phosphorylates p38 and p38β. MEK-7 (or MKK-7)

phosphorylates and activates the JNK signal transduction pathway.

Synonyms: JNK-activating kinase 1, MAP Kinase Kinase 4, SAPK/ERK kinase 1, PRKMK4, SERK1, MEK-4,

MAPKK4, MKK4

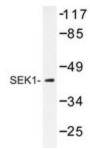
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Fc epsilon RI

signaling pathway, GnRH signaling pathway, MAPK signaling pathway, Toll-like receptor

signaling pathway

Product images:



Western blot analysis of SEK1 antibody (Cat.-No.: [AP20418PU-N]) in extracts from 293 cells.