

Product datasheet for **AP06311PU-M**

MEK4 (MAP2K4) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | Immunohistochemistry on paraffin sections: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 230-280 of Human MEK-4. |
| Specificity: | This antibody detects endogenous levels of SEK1/MKK4 protein. (region surrounding Val255) |
| Formulation: | Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity-chromatography using epitope-specific immunogen and the 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: | <u>Entrez Gene 6416 Human P45985</u> |

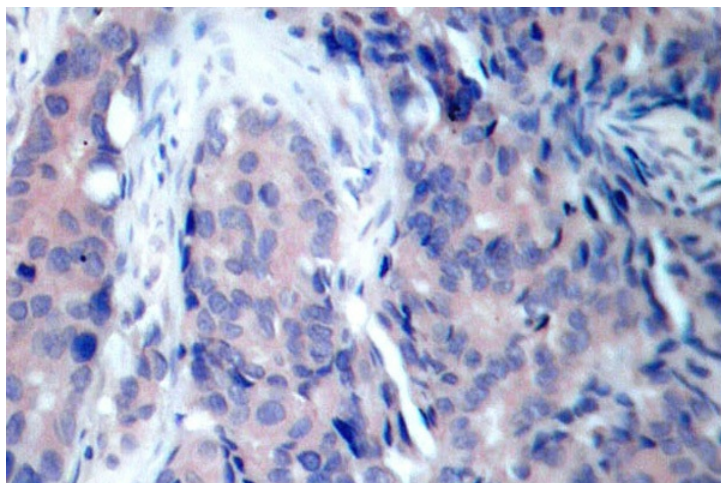
[View online »](#)

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 p38 β . 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

Product images:


Immunohistochemistry (IHC) analysis of SEK1/MKK4 antibody in paraffin-embedded human breast carcinoma tissue.