

Product datasheet for **AP02660PU-S**

MEK4 (MAP2K4) Rabbit Polyclonal Antibody

Product data:

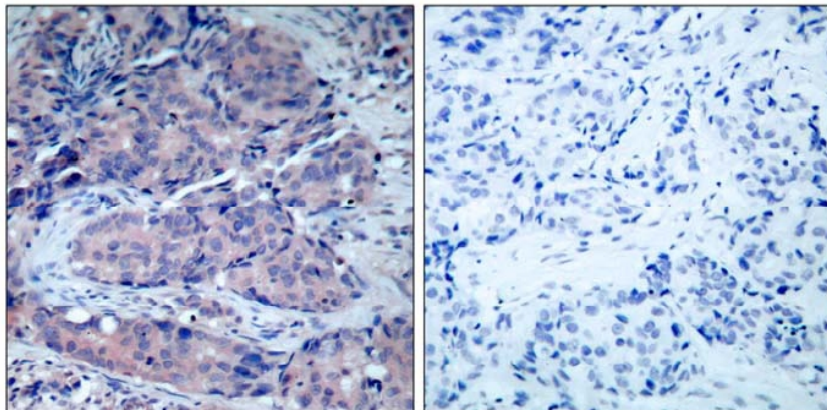
Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Immunofluorescence: 1/100-1/200. Immunohistochemistry on Paraffin-Embedded Sections: 1/50-1/100.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human SEK1/MKK4 around the phosphorylation site of threonine 261 (A-K-Tp-R-D).
Specificity:	This antibody detects endogenous levels of total SEK1/MKK4 protein.
Formulation:	PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	mitogen-activated protein kinase kinase 4
Database Link:	Entrez Gene 6416 Human P45985
Background:	MEK4 is a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8 / JNK1, MAPK9 / JNK2, and MAPK14 / p38, but not MAPK1 / ERK2 or MAPK3 / ERK3. This kinase is phosphorylated, and thus activated by MAP3K1 / MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver.



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Synonyms: JNK-activating kinase 1, MAP Kinase Kinase 4, SAPK/ERK kinase 1, PRKMK4, SERK1, MEK-4, MAPKK4, MKK4

Product images:



Peptide

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+

Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using SEK1/MKK4 antibody.

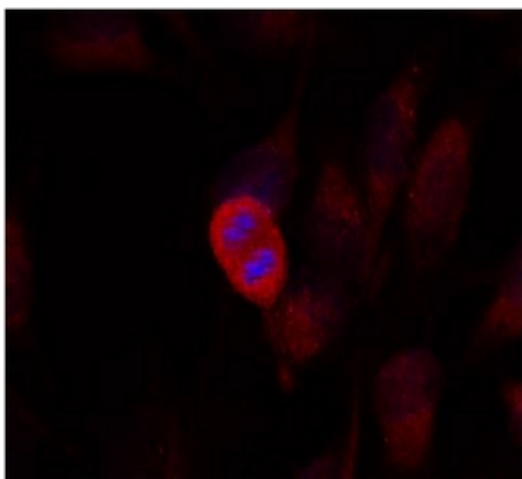


Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using SEK1/MKK4 antibody (Red).