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# Product datasheet for AP02660PU-N

## MEK4 (MAP2K4) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IF, IHC |
| **Recommended Dilution:** | Immunofluorescence: 1/100-1/200.<br>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-T*p*-R-D). |
| **Specificity:** | This antibody detects endogenous levels of total SEK1/MKK4 protein. |
| **Formulation:** | PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol.<br>State: Aff - Purified<br>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.<br>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<br>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:

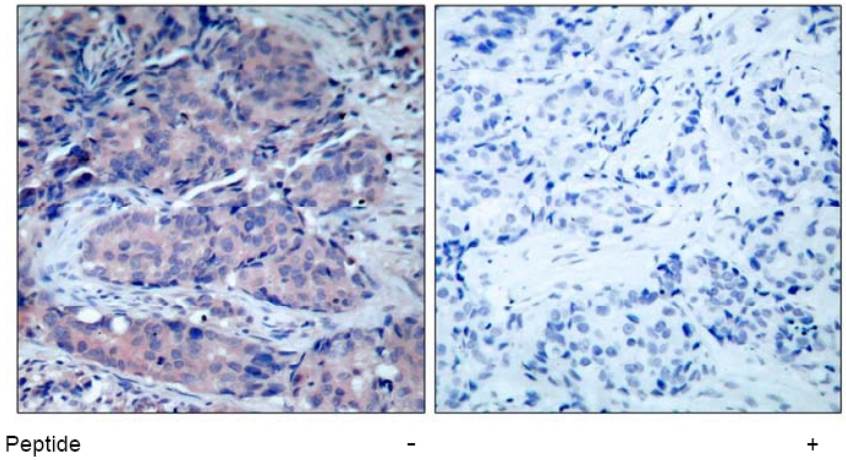


Figure 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using SEK1/MKK4 antibody.

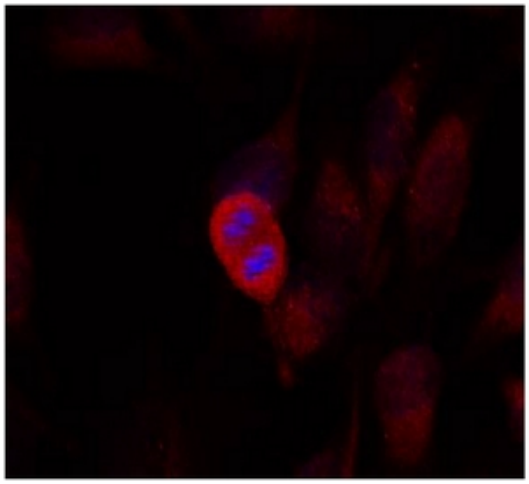

Figure 2. Immunofluorescence staining of methanol-fixed HeLa cells using SEK1/MKK4 antibody (Red).