

## Anti-MEK4/MAP2K4 Antibody Picoband® HRP Conjugated

Catalog Number: PA2275-HRP

### About MAP2K4

Dual specificity mitogen-activated protein kinase kinase 4 (MAP2K4), also called SEK1 or JNKK1, is an enzyme that in humans is encoded by the MAP2K4 gene. It is mapped to 17p12. This gene encodes 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/ERK1. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. MAP2K4 was a specific activator of JNK1, JNK2, and p38, and it has been shown to interact with FLNC, MAPK8, MAPK8IP3 and AKT1.

### Overview

Product Name	Anti-MEK4/MAP2K4 Antibody Picoband® HRP Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P45985

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MEK4, different from the related mouse and rat sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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