

MEK1 Polyclonal Antibody

Catalog NumberPA5-15161

Product data sheet

Details		Tested Applications	Dilution *
Size	400 µL	Western Blot (WB)	1:1,000
Host/Isotope	Rabbit / IgG	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Class	Polyclonal		
Type	Antibody		
Immunogen	KLH conjugated synthetic peptide between 196-225 amino acids from human MEK1(MAP2K1)		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with chicken, canine, hamster, mouse, rat, rabbit and Xenopus based on sequence homology.

Background/Target Information

MAP2K1 (MEK1) kinase is a dual-specificity protein kinase that functions in mitogen-activated protein kinase (MAPK) cascades, controlling cell growth and differentiation. MAP2K1 is activated by a wide variety of growth factors and cytokines and also by membrane-dependent depolarization and calcium influx. Mek1 is activated by phosphorylation of serine 218 and 222 residues by Raf1. It is known to be involved in the signaling during stress activate response, apoptosis and proliferative induction by cytokines. Mutations in the gene can lead to cardiofaciocutaneous syndrome.

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