

Product datasheet for **AP01635PU-N**

MEK3 (MAP2K3) pSer189 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/5000-1/10000. Western Blot: 1/500-1/1000. Immunohistochemistry: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of MKK3 pSer189 protein.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 containing 15 mM Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	mitogen-activated protein kinase kinase 3
Database Link:	Entrez Gene 5606 Human P46734



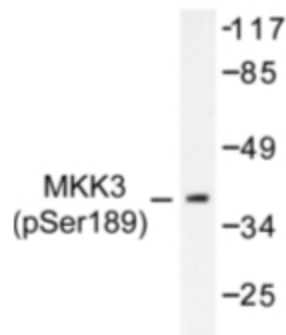
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Background:

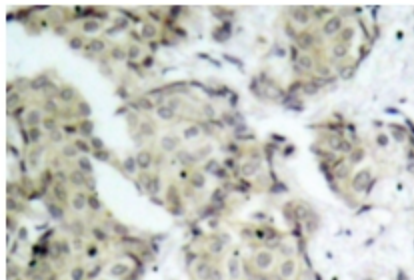
The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Synonyms:

MAPKK 3, MEK3, MKK3, MAP kinase kinase 3

Product images:

Western blot (WB) analysis of MKK3 pSer189 antibody in extracts from MDA-MB-435 cells.



Immunohistochemistry (IHC) analysis of MKK3 pSer189 antibody in paraffin-embedded human breast carcinoma tissue.