

Product datasheet for **TA300743**

MEK4 (MAP2K4) Rabbit Monoclonal Antibody [Clone ID: EP1075Y]

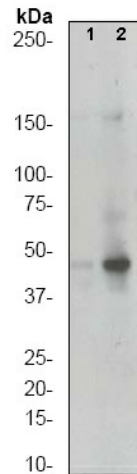
Product data:

Product Type:	Primary Antibodies
Clone Name:	EP1075Y
Applications:	IHC, WB
Recommended Dilution:	WB: 1:5000; IHC: 1:50 100; IP: 1:50
Reactivity:	Mouse, Human (Does not react with: Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide corresponding to residues near the N-term of human MKK4 was used as immunogen.
Formulation:	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
Purification:	Tissue culture supernatant
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	mitogen-activated protein kinase kinase 4
Database Link:	NP_003001 Entrez Gene 26398 Mouse Entrez Gene 287398 Rat Entrez Gene 6416 Human P45985
Background:	MKK4, also known as JNKK1 and SEK1, is a dual specificity kinase that belongs to the Ser/Thr protein kinase family. MKK4 is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. MKK4 phosphorylate and activate p38 MAP kinase and JNK but not ERK 1/2 (1-2). JNK is activated by dual phosphorylation at Thr and Tyr by MKK4 and MKK7; although MKK4 will preferentially phosphorylate Tyr (3). MKK4 is also known to be a tumor suppressor, as mutations inactivating the MKK4 gene have been found in 5% of a wide variety of tumor types (4).
Synonyms:	JNKK; JNKK1; MAPKK4; MEK4; MKK4; PRKMK4; SAPKK-1; SAPKK1; SEK1; SERK1; SKK1

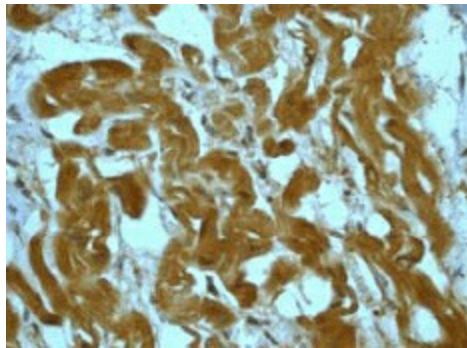


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Note:	Does not react with Rat
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Fc epsilon RI signaling pathway, GnRH signaling pathway, MAPK signaling pathway, Toll-like receptor signaling pathway

Product images:

Western blot - MKK4 (phospho S80) antibody [EP1075Y]; All lanes : Anti-MEK4 (phospho S80) antibody [EP1075Y] at 1/5000 dilution. Lane 1 : 3T3 cell lysate untreated. Lane 2 : 3T3 cell lysate treated with PDGF. Lysates/proteins at 10 ug per lane. Secondary. goat anti-rabbit HRP at 1/2000 dilution. Predicted band size : 44 kDa. Observed band size : 44 kDa.



Immunohistochemistry (Paraffin-embedded sections) - MKK4 (phospho S80) antibody [EP1075Y]; TA300743 at 1/50 dilution staining MKK4 in human muscles by Immunohistochemistry, Paraffin embedded tissue.