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Phospho-MAP3K7(T187) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3323a

Product Information

Application	DB, E
Primary Accession	O43318
Other Accession	P0C8E4, Q62073, A2VDU3
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB11312

Additional Information

Other Names	Mitogen-activated protein kinase kinase kinase 7, Transforming growth factor-beta-activated kinase 1, TGF-beta-activated kinase 1, MAP3K7, TAK1
Target/Specificity	This MAP3K7 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T187 of human MAP3K7.
Dilution	DB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Phospho-MAP3K7(T187) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

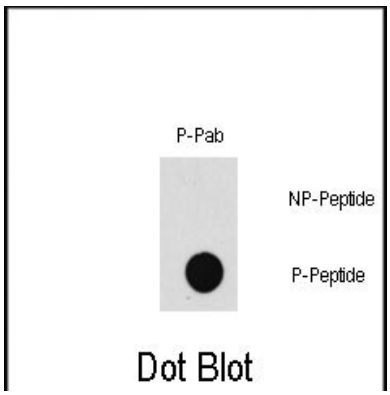
MAP3K7 is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the

cell response to environmental stresses.

References

Smit, L., et al., J. Biol. Chem. 279(17):17232-17240 (2004).
Ono, K., et al., Biochem. Biophys. Res. Commun. 307(2):332-337 (2003).
Sakurai, H., et al., J. Biol. Chem. 278(38):36916-36923 (2003).
Cheung, P.C., et al., EMBO J. 22(21):5793-5805 (2003).
Edlund, S., et al., Mol. Biol. Cell 14(2):529-544 (2003).

Images



Dot blot analysis of Phospho-MAP3K7-T187 polyclonal antibody (Cat.AP3323a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentration were 0.5ug per ml.

Citations

- Targeting of TGF-β-activated protein kinase 1 inhibits chemokine (C-C motif) receptor 7 expression, tumor growth and metastasis in breast cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.