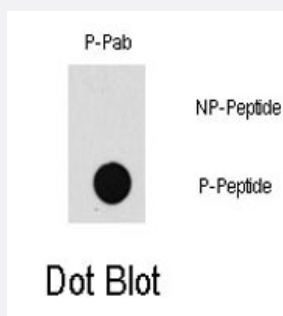


MAP3K7 (phospho T187) polyclonal antibody

Catalog # PAB0517 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of MAP3K7 (phospho T187) polyclonal antibody (Cat # PAB0517) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of MAP3K7.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T187 of human MAP3K7.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Dot Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Dot Blot (Peptide)

Dot blot analysis of MAP3K7 (phospho T187) polyclonal antibody (Cat # PAB0517) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Gene Info — MAP3K7

Entrez GeneID [6885](#)

Protein Accession# [NP_003179;O43318](#)

Gene Name MAP3K7

Gene Alias TAK1, TGF1a

Gene Description mitogen-activated protein kinase kinase kinase 7

Omim ID [602614](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations OTTHUMP00000016870|OTTHUMP00000016871|OTTHUMP00000016872|OTTHUMP00000016873|TGF-beta activated kinase 1|transforming growth factor-beta-activated kinase 1

Publication Reference

- [Wnt activates the Tak1/Nemo-like kinase pathway.](#)

Smit L, Baas A, Kuipers J, Korswagen H, van de Wetering M, Clevers H.

The Journal of Biological Chemistry 2004 Feb; 279(17):17232.

- [A dominant negative TAK1 inhibits cellular fibrotic responses induced by TGF-beta.](#)

Ono K, Ohtomo T, Ninomiya-Tsuji J, Tsuchiya M.

Biochemical and Biophysical Research Communications 2003 Jul; 307(2):332.

- [Tumor necrosis factor-alpha-induced IKK phosphorylation of NF-kappaB p65 on serine 536 is mediated through the TRAF2, TRAF5, and TAK1 signaling pathway.](#)

Sakurai H, Suzuki S, Kawasaki N, Nakano H, Okazaki T, Chino A, Doi T, Saiki I.

The Journal of Biological Chemistry 2003 Jul; 278(38):36916.

Pathway

- [Adherens junction](#)
- [MAPK signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Arthritis](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Inflammatory Bowel Diseases](#)
- [Narcolepsy](#)
- [Tobacco Use Disorder](#)