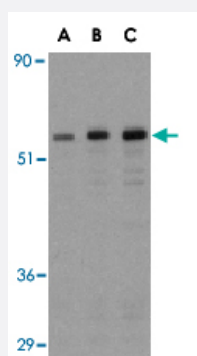


MAP3K7IP1 polyclonal antibody

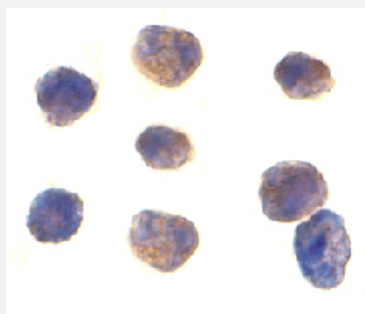
Catalog # PAB12935 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of MAP3K7IP1 in NIH/3T3 cell lysate with MAP3K7IP1 polyclonal antibody (Cat # PAB12935) at (A) 0.5, (B) 1, and (C) 2 ug/mL .



Immunocytochemistry

Immunocytochemistry of MAP3K7IP1 in K-562 cells with MAP3K7IP1 polyclonal antibody (Cat # PAB12935) at 1 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP3K7IP1.
Immunogen	A synthetic peptide corresponding to internal region 13 amino acids of human MAP3K7IP1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. 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

- Western Blot (Cell lysate)

Western blot analysis of MAP3K7IP1 in NIH/3T3 cell lysate with MAP3K7IP1 polyclonal antibody (Cat # PAB12935) at (A) 0.5, (B) 1, and (C) 2 ug/mL .

- Immunocytochemistry

Immunocytochemistry of MAP3K7IP1 in K-562 cells with MAP3K7IP1 polyclonal antibody (Cat # PAB12935) at 1 ug/mL .

Gene Info — MAP3K7IP1

Entrez GeneID	10454
Protein Accession#	NP_006107
Gene Name	MAP3K7IP1
Gene Alias	3'-Tab1, MGC57664, TAB1
Gene Description	mitogen-activated protein kinase kinase kinase 7 interacting protein 1
Omim ID	602615
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK 14/p38alpha), and thus represents an alternative activation pathway, in addition to the MAPKK pathways, which contributes to the biological responses of MAPK14 to various stimuli. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]
Other Designations	TAK1-binding protein 1 transforming growth factor beta-activated kinase-binding protein 1

Publication Reference

- [Toll-like receptor signalling.](#)

Akira S, Takeda K.

Nature Reviews. Immunology 2004 Jul; 4(7):499.

- [Interleukin-1 \(IL-1\) receptor-associated kinase-dependent IL-1-induced signaling complexes phosphorylate TAK1 and TAB2 at the plasma membrane and activate TAK1 in the cytosol.](#)

Jiang Z, Ninomiya-Tsuji J, Qian Y, Matsumoto K, Li X.

Molecular and Cellular Biology 2002 Oct; 22(20):7158.

Application: WB-Tr, Human, HEK 293 cells

- [TAK1 mediates an activation signal from toll-like receptor\(s\) to nuclear factor-kappaB in lipopolysaccharide-stimulated macrophages.](#)

Irie T, Muta T, Takeshige K.

FEBS Letters 2000 Feb; 467(2-3):160.

Pathway

- [MAPK signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Crohn Disease](#)