

## Product datasheet for **AP17544PU-N**

### TAB1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the amino acid residues surrounding S423 of human MAP3K7IP1
Specificity:	This antibody reacts to MAP3K7IP1.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
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:	TGF-beta activated kinase 1/MAP3K7 binding protein 1
Database Link:	<a href="#">Entrez Gene 10454 Human Q15750</a>



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**Background:**

MAP3K7IP1 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 (MAPK14/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.

**Synonyms:**

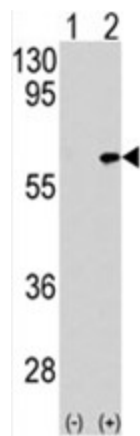
TAK1-binding protein 1, TGF-beta-activated kinase 1-binding protein 1

**Protein Families:**

Druggable Genome

**Protein Pathways:**

MAPK signaling pathway, NOD-like receptor signaling pathway, Toll-like receptor signaling pathway

**Product images:**

Western blot analysis of MAP3K7IP1 (arrow) using rabbit polyclonal MAP3K7IP1-pS423. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP3K7IP1 gene (Lane 2) (Origene Technologies).