



Rabbit Anti-Human TAB1 monoclonal antibody, clone G.322.7 (CABT-L1460)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	MAP3K7IP1
Immunogen	Synthetic peptide corresponding to residues surrounding Pro381 of human TAB1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Non-human primate
Clone	G.322.7
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	IP, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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
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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. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

Keywords	TAB1;TGF-beta activated kinase 1/MAP3K7 binding protein 1;MAP3K7IP1,mitogen activated protein kinase kinase kinase 7 interacting protein 1;TGF-beta-activated kinase 1 and MAP3K7-binding protein 1;mitogen activated protein kinase kinase kinase 7 intera
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GENE INFORMATION

Entrez Gene ID [10454](#)

UniProt ID [Q15750](#)