

Anti-TAB1 Rabbit pAb

Purified Rabbit Polyclonal Antibody

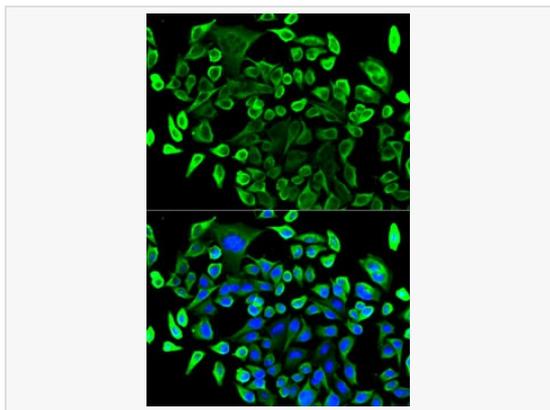
Catalog # P106487

Product Information

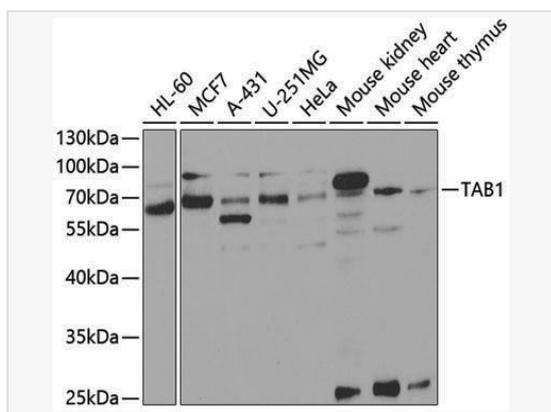
Application	WB, IF (Cell)/ICC, IP, ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:2,000; IF 1:10~1:100; IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 205-504 of human TAB1 (NP_006107.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TAB1 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

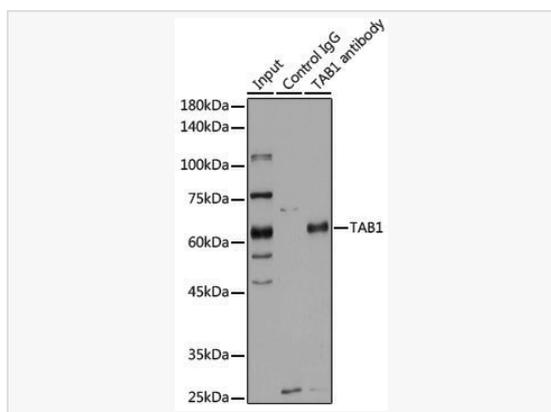
Synonyms	3'-Tab1; MAP3K7IP1; TAB1.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 70 kDa
Uniprot ID	Q15750
Gene ID	10454
Background	The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling 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 (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.



Immunofluorescence analysis of U2OS cells using TAB1 Rabbit pAb (P106487).
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using TAB1 Rabbit pAb (P106487) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit (SQ201).
Exposure time: 90s.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg TAB1 antibody (P106487). Western blot was performed from the immunoprecipitate using TAB1 antibody (P106487) at a dilution of 1:1000.