TAK1 Polyclonal Antibody

catalog number: **E-AB-93071**

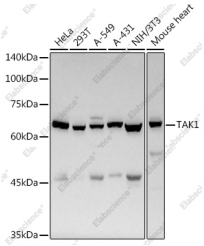
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human TAK1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

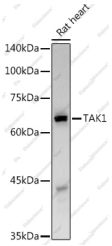
Data



Western blot analysis of extracts of various cell lines using TAK1 Polyclonal Antibody at 1:500 dilution.

Observed-MW:67 kDa

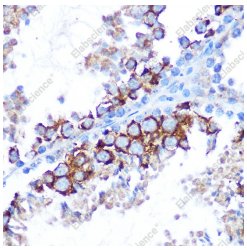
Calculated-MW:53 kDa/56 kDa/64 kDa/67 kDa



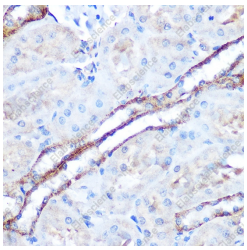
Western blot analysis of extracts of Rat heart using TAK1 Polyclonal Antibody at 1:500 dilution.

Observed-MW:67 kDa

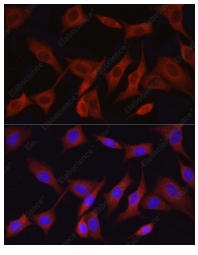
Calculated-MW:53 kDa/56 kDa/64 kDa/67 kDa

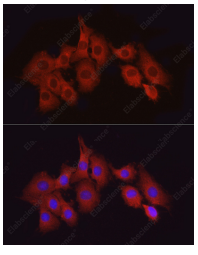


Immunohistochemistry of paraffin-embedded mouse testis using TAK1 Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

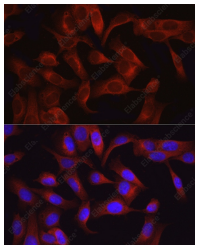


Immunohistochemistry of paraffin-embedded rat kidney using TAK1 Polyclonal Antibody at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.





Immunofluorescence analysis of NIH/3T3 cells using TAK1 Polyclonal Antibody at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using TAK1 Polyclonal Antibody at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

Immunofluorescence analysis of PC-12 cells using TAK1 Polyclonal Antibody at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

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.