Product Name: TAK1 Rabbit Polyclonal Antibody
Catalog #: APRab00387
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 67 kDa; Observed MW: 70 kDa

Antigen Information

Gene Name	MAP3K7
Alternative Names	MAP3K7; TAK1; Mitogen-activated protein kinase kinase kinase 7; Transforming growth factor-beta-activated kinase 1; TGF-beta-activated kinase 1
Gene ID	6885
SwissProt ID	O43318
Immunogen	The antiserum was produced against synthesized peptide derived from human MAP3K7. AA range:161-210

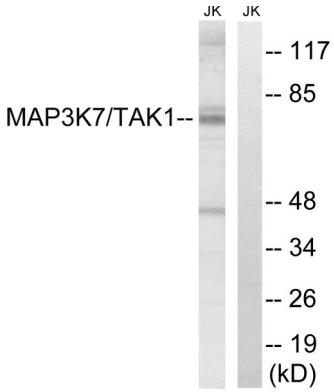
Background

Component of a protein kinase signal transduction cascade. Mediator of TRAF6 and TGF-beta signal transduction. Activates IKBKB and MAPK8 in response to TRAF6 signaling. Stimulates NF-kappa-B activation and the p38 MAPK pathway. In osmotic stress signaling, plays a major role in the activation of MAPK8/JNK, but not that of NF-kappa-B.

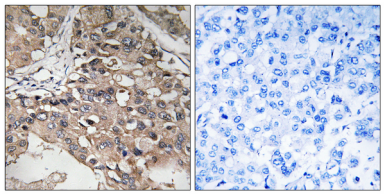
Research Area

Signal Transduction

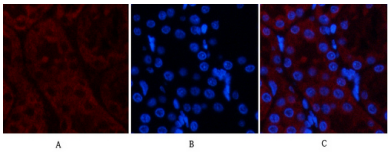
Image Data



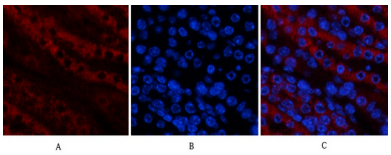
Western blot analysis of TAK1 in Jurkat lysates, treated with heat shock lysates using TAK1 antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using TAK1 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Immunofluorescence analysis of TAK1 in rat kidney using Tak1 antibody(red),and DAPI (blue).



Immunofluorescence analysis of TAK1 in mouse kidney using Tak1 antibody(red),and DAPI (blue).