



C-TAK1 Polyclonal Antibody

Catalog No	YP-Ab-14717
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MARK3
Protein Name	MAP/microtubule affinity-regulating kinase 3
Immunogen	The antiserum was produced against synthesized peptide derived from human MARK3. AA range:1-50
Specificity	C-TAK1 Polyclonal Antibody detects endogenous levels of C-TAK1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MARK3; CTAK1; EMK2; MAP/microtubule affinity-regulating kinase 3; C-TAK1; cTAK1; Cdc25C-associated protein kinase 1; ELKL motif kinase 2; EMK-2; Protein kinase STK10; Ser/Thr protein kinase PAR-1; Par-1a; Serine/threonine-protein kinase p78
Observed Band	85kD
Cell Pathway	Cell membrane ; Peripheral membrane protein . Cell projection, dendrite . Cytoplasm .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2 and MAP4. Phosphorylates CDC25C on 'Ser-216'. ,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily.,similarity:Contains 1 KA1 (kinase-associated) domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 UBA domain.,tissue specificity:Ubiquitous.,
Background	microtubule affinity regulating kinase 3(MARK3) Homo sapiens The protein encoded by this gene is activated by phosphorylation and in turn is involved in the



phosphorylation of tau proteins MAP2 and MAP4. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

matters needing attention

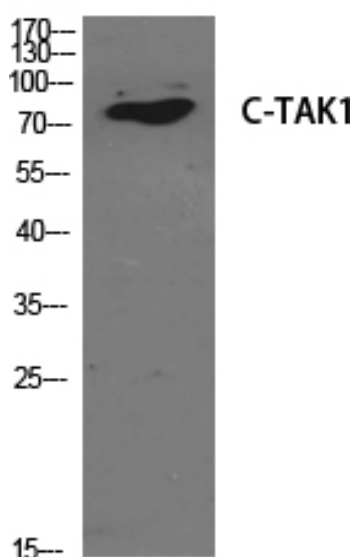
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

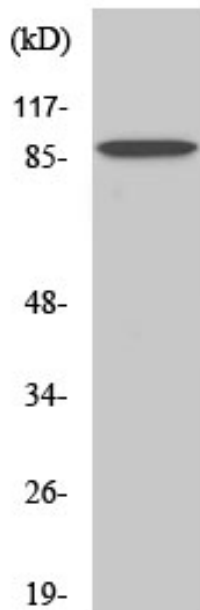
Products Images

mouse-brain

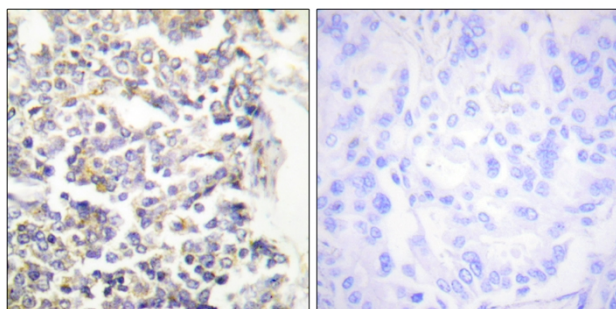


Western Blot analysis of various cells using C-TAK1 Polyclonal Antibody diluted at 1:500

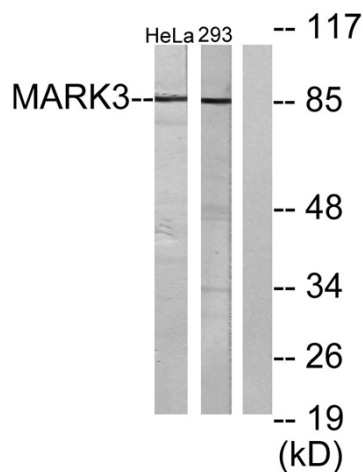
HeLa



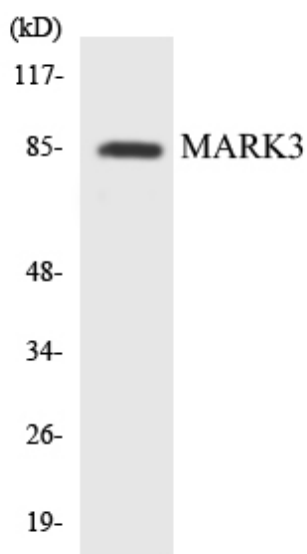
Western Blot analysis of 293 cells using C-TAK1 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using MARK3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa and 293 cells, using MARK3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using MARK3 antibody.