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Product datasheet for TA378278

TAK1 (MAP3K7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB,1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho S412
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	A phospho specific peptide corresponding to residues surrounding S412 of human TAK1
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53kDa/56kDa/64kDa/67kDa
Gene Name:	mitogen-activated protein kinase kinase kinase 7
Database Link:	<u>Entrez Gene 6885 Human</u> <u>O43318</u>
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.

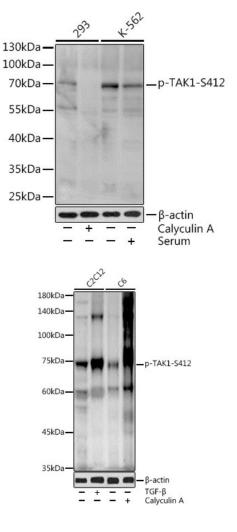


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Synonyms:

MEKK7; TAK1; TGF1a

Product images:



Western blot analysis of extracts of various cell lines, using Phospho-TAK1-S412 Rabbit pAb (TA378278) at 1:1000 dilution.293 cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.K-562 cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation overnight. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% BSA. |Detection: ECL Basic Kit . |

Western blot analysis of extracts of various cell lines, using Phospho-TAK1-S412 antibody (TA378278) at 1:1000 dilution.C2C12 cells were treated by TGF- β (10 ng/ml) at 37°C for 30 minutes.C6 cells were treated by Calyculin A (100 nM) at 37°C for 30 minutes after serumstarvation overnight. |Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. |Lysates/proteins: 25ug per lane. |Blocking buffer: 3% nonfat dry milk in TBST. |Detection: ECL Enhanced Kit.|Exposure time: 120s.

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