Datasheet for ABIN7270721

anti-TBK1 antibody (pSer172)

1 Image

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Overview

Quantity:	100 µL
Target:	TBK1
Binding Specificity:	pSer172
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-TBK1/NAK-S172 Rabbit mAb
Immunogen:	A phospho specific peptide corresponding to residues surrounding S172 of human TBK1/NAK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	TBK1
Alternative Name:	TBK1 (TBK1 Products)
Background:	The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which

Target Details

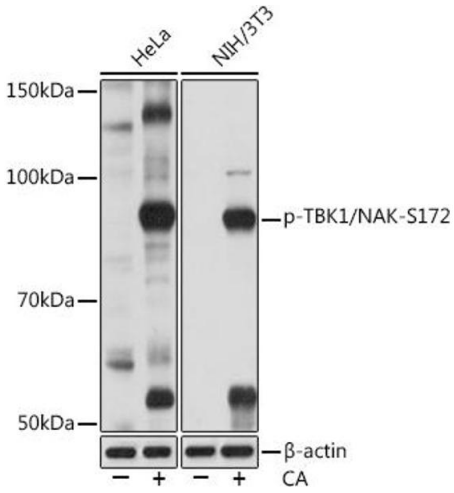
	inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. [provided by RefSeq, Oct 2010],FTDALS4, NAK, T2K,Epigenetics & Nuclear Signaling,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,NF-kB Signaling Pathway,PI3K-Akt Signaling Pathway,PI3K-Akt Signaling Pathway_Kinase of Akt,Protein phosphorylation,Signal Transduction,Toll-like Receptor Signaling Pathway,TBK1
Molecular Weight:	84kDa
Gene ID:	29110
UniProt:	Q9UHD2
Pathways:	TLR Signaling, Activation of Innate immune Response, Hepatitis C, Toll-Like Receptors Cascades, SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using Phospho-TBK1/NAK-S172 Rabbit mAb (ABIN7270721) at 1:1000 dilution.Both HeLa cells and NIH/3T3 cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % BSA.Detection: ECL Basic Kit (RM00020).Exposure time: 1 min.