



TBK1 blocking peptide (CDBP5784)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which 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]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	TBK1 TANK-binding kinase 1 [Homo sapiens (human)]
Official Symbol	TBK1
Synonyms	TBK1; TANK-binding kinase 1; NAK; T2K; serine/threonine-protein kinase TBK1; NF-κB-activating kinase; NF-kappa-B-activating kinase
Entrez Gene ID	29110

mRNA Refseq	NM_013254
Protein Refseq	NP_037386
UniProt ID	Q9UHD2
Pathway	Activated TLR4 signalling; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon; Cytosolic DNA-sensing pathway; Cytosolic sensors of pathogen-associated DNA; Epstein-Barr virus infection; Hepatitis B; Hepatitis C; Herpes simplex infection
Function	ATP binding; nucleic acid binding; phosphoprotein binding; protein binding; protein kinase activity; protein serine/threonine kinase activity
