



TBK1 blocking peptide (CDBP5784)

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

PRODUCT INFORMATION

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| 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

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| 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-kB-activating kinase; NF-kappa-B-activating kinase |
| Entrez Gene ID | 29110 |

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| 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 |