

Product Datasheet

TLK1 Antibody - BSA Free NBP1-77982

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-77982

TLK1 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	This affinity purified antibody is directed against human Tlk-1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	9874
Gene Symbol	TLK1
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest reactivity with this protein from human, chimpanzee, orangutan, and dog sources based on 100% homology for the immunogen sequence. Cross reactivity with TLK1 protein from mouse, rat and chicken may occur as this sequence only varies by one amino acid residue (93% homology). Cross reactivity with TLK1 homologues from other sources has not been determined.
Specificity/Sensitivity	This affinity purified antibody is directed against human TLK1 protein. This antibody reacts with both phosphorylated and non-phosphorylated forms of TLK1 at the S743 residue (isoform 1) of the protein. The antibody will react with all isoforms of TLK1. A BLAST analysis was used to suggest reactivity with this protein from human, chimpanzee, orangutan, and dog sources based on 100% homology for the immunogen sequence. Cross reactivity with TLK1 protein from mouse, rat and chicken may occur as this sequence only varies by one amino acid residue (93% homology). Cross reactivity with TLK1 homologues from other sources has not been determined.
Immunogen	This affinity purified TLK1 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a C-Terminal region near amino acids 730-755 of human TLK1 (Tousled-like kinase) (isoform 1) protein. (Uniprot: Q9UKI8)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:200-1:2000, ELISA 1:10000-1:50000



Application Notes

This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 86 kDa, 89 kDa or 64 kDa in size corresponding to isoforms of TLK-1 by western blotting in the appropriate cell lysate or extract. This antibody reacts with both phosphorylated and non-phosphorylated forms of TLK-1 at the S743 residue (isoform 1) of the protein.

Images

Western Blot: TLK1 Antibody [NBP1-77982] - Shows detection of a band ~64 kDa corresponding to isoform 3 of human Tlk-1 (arrowhead). Specific reactivity with this band is blocked when the antibody is pre-incubated with the immunizing peptide (data not shown). Approximately 30 ug of a HeLa nuclear extract was separated by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:250 for 2h at room temperature followed by washes and reaction with a 1:10,000 dilution of IRDye 800 conjugated Gt-a-Rabbit IgG [H&L] MX for 45 min at room temperature.



Western blot using Affinity Purified antibody shows detection of a band ~64 kDa corresponding to isoform 3 of human Tlk-1. Specific reactivity with this band is blocked when the antibody is pre-incubated with the immunizing peptide (data not shown). Approximately 30 ug of a HeLa nuclear extract





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Products Related to NBP1-77982

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-83035PEP	TLK1 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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