

Anti-TLK1 Antibody

Catalog Number: A05635-1

About TLK1

Rapidly and transiently inhibited by phosphorylation following the generation of DNA double-stranded breaks during S-phase. This is cell cycle checkpoint and ATM-pathway dependent and appears to regulate processes involved in chromatin assembly. Isoform 3 phosphorylates and enhances the stability of the t-SNARE SNAP23, augmenting its assembly with syntaxin. Isoform 3 protects the cells from the ionizing radiation by facilitating the repair of DSBs. In vitro, phosphorylates histone H3 at 'Ser-10'.

Yamakawa A., Gene 202:193-201(1997).

Sillje H.H.W., EMBO J. 18:5691-5702(1999).

Cabaniols J.-P., Mol. Biol. Cell 10:4033-4041(1999).

Overview

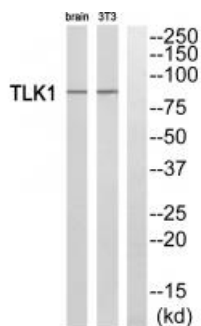
Product Name	Anti-TLK1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TLK1 Antibody (Catalog # A05635-1). Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UKI8

Technical Details

Immunogen	Synthesized peptide derived from internal of human TLK1.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blotting: 1:500~1:3000

Anti-TLK1 Antibody (A05635-1) Images



Western blot analysis of extracts from rat brain cells and NIH/3T3 cells, using TLK1 antibody A05635-1.

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