

Anti-TTK (Ab-676) Antibody

Catalog Number: A01132

About TTK

Phosphorylates proteins on serine, threonine, and tyrosine. Probably associated with cell proliferation. Essential for chromosome alignment by enhancing AURKB activity (via direct CDCA8 phosphorylation) at the centromere, and for the mitotic checkpoint.

Mills G.B., J. Biol. Chem. 267:16000-16006(1992).

Ota T., Nat. Genet. 36:40-45(2004).

Mungall A.J., Nature 425:805-811(2003)

Overview

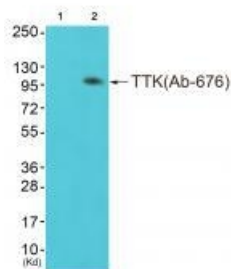
Product Name	Anti-TTK (Ab-676) Antibody
Reactive Species	Human
Description	Boster Bio Anti-TTK (Ab-676) Antibody (Catalog # A01132). Tested in WB, IHC applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG in phosphate buffered saline (without Mg 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	P33981

Technical Details

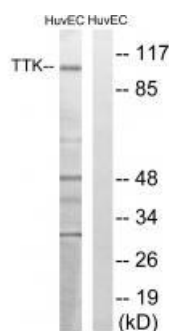
Immunogen	Synthesized non-phosphopeptide derived from human TTK around the phosphorylation site of threonine 676 (D-T-T(p)-S-V).
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blotting: 1:500~1:3000</p> <p>Immunohistochemistry: 1:50~1:100</p>

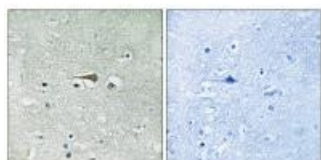
Anti-TTK (Ab-676) Antibody (A01132) Images



Western blot analysis of extracts from colo cells (Lane 2), using TTK (Ab-676) antibody A01132. The lane on the left is treated with synthesized peptide.



Western blot analysis of extracts from HUVEC cells, treated with etoposide (25uM, 24hours), using TTK (Ab-676) antibody A01132.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using TTK (Ab-676) antibody A01132.

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