

TTK Antibody

Catalog No: #33252

Package Size: #33252-1 50ul #33252-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

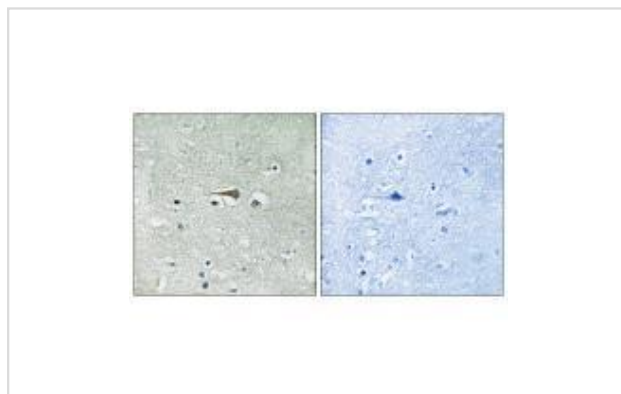
Product Name	TTK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TTK protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human TTK around the phosphorylation site of threonine 676 (D-T-T(p)-S-V).
Target Name	TTK
Other Names	dual specificity protein kinase TTK; EC 2.7.12.1; Esk1; Mps1; MPS1L1
Accession No.	Swiss-Prot: P33981NCBI Gene ID: 7272
SDS-PAGE MW	100kd
Concentration	1.0mg/ml
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	Store at -20°C

Application Details

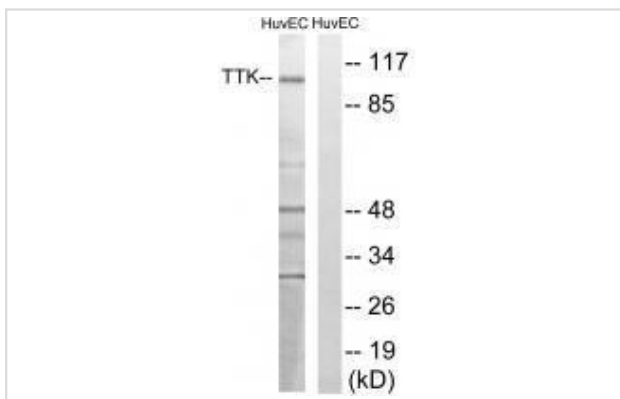
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

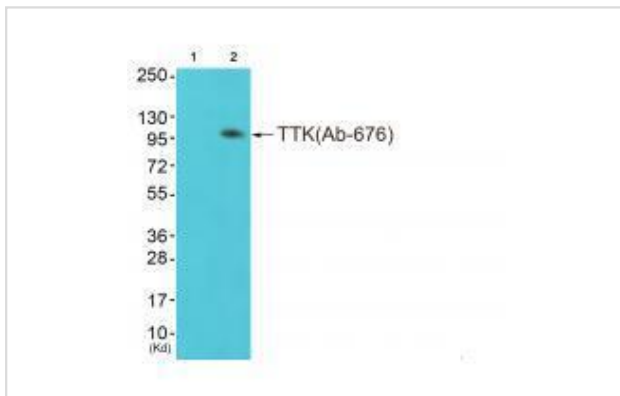
Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue using TTK (Ab-676) antibody #33252.



Western blot analysis of extracts from HUVEC cells, treated with etoposide (25uM, 24hours), using TTK (Ab-676) antibody #33252.



Western blot analysis of extracts from colo cells (Lane 2), using TTK (Ab-676) antibody #33252. The lane on the left is treated with synthesized peptide.

Background

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)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.