



TTBK1 rabbit pAb

Catalog No	YP-Ab-08509
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	TTBK1 BDTK KIAA1855
Immunogen	Synthesized peptide derived from human TTBK1 AA range: 429-479
Specificity	This antibody detects endogenous levels of TTBK1 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BDTK;Brain-derived tau kinase;EC:2.7.11.1;KIAA1855;Tau-tubulin kinase 1; TTBK1;TTBK1 BDTK KIAA1855
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cytoplasm .
Tissue Specificity	Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon, esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus, thyroid or trachea.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:It is uncertain whether Met-1 or Met-14 is the initiator.,cofactor:Divalent cations. Magnesium or, to a lesser extent, manganese, but not calcium or zinc., function:Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family., similarity:Contains 1 protein kinase domain.,tissue specificity:Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon,



esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus, thyroid or trachea.,

Background

Summary: This gene belongs to the casein kinase 1 superfamily. The encoded protein is a neuron-specific, serine/threonine and tyrosine kinase, which regulates phosphorylation of tau, a protein that associates with microtubule assemblies and stabilizes them. Genetic variants in this gene are associated with Alzheimer's disease. [provided by RefSeq, Jul 2016],

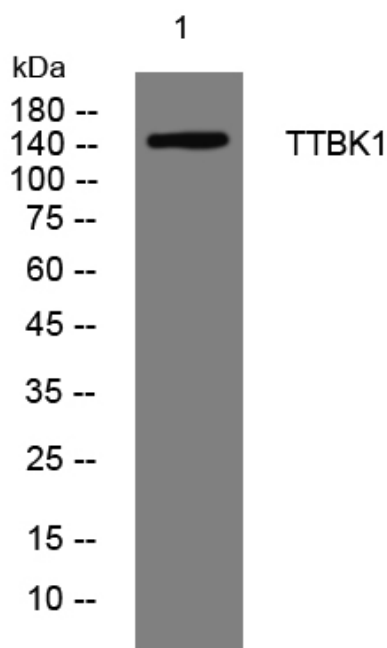
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night