

Rabbit anti-Human, Mouse TTBK1 Polyclonal Antibody | anti-TTBK1 antibody

TTBK1 Antibody

CATALOG # AAA301816	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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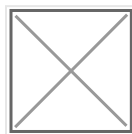
PRODUCT SYNONYMS

TTBK1; Polyclonal Antibody; TTBK1 Antibody; Tau tubulin kinase 1; brain derived tau kinase; BDTK; anti-TTBK1 antibody

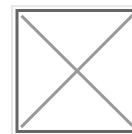
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1321
Applicable Applications for anti-TTBK1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide near the carboxy terminus of human TTBK1.
Target Name	TTBK1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of TTBK1 in mouse brain tissue with TTBK1 antibody at 2.5 ug/mL.


WB (Western Blot)

Western blot analysis of TTBK1 in Jurkat lysate with TTBK1 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TTBK1 antibody	Tau tubulin kinase (TTBK1) belongs to the casein kinase 1 superfamily and is involved in the phosphorylation of specific serine/threonine residues in paired helical filaments of the tau protein. It is specifically expressed in the brain and induces tau aggregation in human neuronal cells in a dose-dependent manner. TTBK1 levels have been found to be upregulated in the brains of Alzheimer's disease (AD) patients, and mice expressing human TTBK1 protein showed significant age-dependent memory impairment. These mice displayed increased levels of the CDK5 activators p25 and p35, and reduced levels of the NMDA receptor types 2B and 2D, suggesting that TTBK1 may play a role in memory dysfunction in AD patients. Multiple isoforms of TTBK1 are known to exist. This antibody is predicted to not cross-react with TTBK2.
Product Categories/Family for anti-TTBK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	58761548
NCBI GeneID	84630
NCBI Accession #	NP_115927.1
NCBI GenBank Nucleotide #	NM_032538.1
UniProt Accession #	Q5TCY1; Q2L6C6; Q6ZNH0; Q8N444; Q96JH2; A2A2U5
Molecular Weight	69,084 Da
NCBI Official Full Name	tau-tubulin kinase 1
NCBI Official Synonym Full Names	tau tubulin kinase 1
NCBI Official Symbol	TTBK1
NCBI Official Synonym Symbols	BDTK
NCBI Protein Information	tau-tubulin kinase 1
UniProt Protein Name	Tau-tubulin kinase 1
UniProt Gene Name	TTBK1
UniProt Synonym Gene Names	BDTK; KIAA1855
UniProt Entry Name	TTBK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ttbk1-antibody-immunohistochemistry-western-blot-elisa/301816>