

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

TTBK1 Antibody

CATALOG # AAA39727	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

TTBK1; Polyclonal Antibody; TTBK1 Antibody; BDTK; KIAA1855; Tau-tubulin kinase 1; Brain-derived tau kinase; tau tubulin kinase 1; anti-TTBK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	TTBK1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1321
Applicable Applications for anti-TTBK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TTBK1 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human TTBK1.
Buffer	TTBK1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



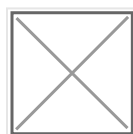
IF (Immunofluorescence)

Immunofluorescence of TTBK1 in Human Brain tissue with TTBK1 antibody at 20 &#956;g/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of TTBK1 in mouse brain tissue with TTBK1 antibody at 2.5 &#956;g/mL.



WB (Western Blot)

Western blot analysis of TTBK1 in Jurkat lysate with TTBK1 antibody at 1 &#956;g/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-TTBK1 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	97203020
NCBI GeneID	84630
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; brain-derived tau kinase
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-immunofluorescence-immunohistochemistry-western-blot-elisa/39727>