

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

TTBK1 Antibody

CATALOG # AAA308906	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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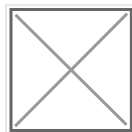
PRODUCT SYNONYMS

TTBK1; Polyclonal Antibody; TTBK1 Antibody; BDTK; anti-TTBK1 antibody

PRODUCT SPECIFICATIONS

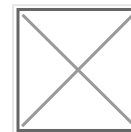
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total TTBK1 protein.
Purity/Purification	Antigen Affinity Purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	2.3 mg/ml (varies by lot)
Sequence Length	1321
Applicable Applications for anti-TTBK1 antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human TTBK1
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human brain tissue using at dilution 1/35.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/35.

ADDITIONAL INFORMATION

Related Product Information for anti-TTBK1 antibody

TTBK1 (tau tubulin kinase 1), also known as BDTK (brain-derived tau kinase), is a 1,321 amino acid protein that contains one protein kinase domain and belongs to the serine/threonine protein kinase family. Localized to the cytoplasm and expressed at high levels in brain and at lower levels in testis and spinal cord, TTBK1 functions as a serine/threonine kinase that can phosphorylate Tau (a protein involved in tubulin polymerization) on threonine, tyrosine and serine residues. Specifically, TTBK1 uses divalent cations, such as magnesium and manganese, to catalyze the ATP-dependent transfer of a phosphate group onto Tau, creating a phosphoprotein and ADP. Phosphorylation of Tau causes its aggregation and subsequent loss of function, suggesting an important role for TTBK1 in the control of tubulin dynamics.

Product Categories/Family for anti-TTBK1 antibody	Total protein Ab
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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-elisa/308906>