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TTBK1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4947A

Specification

TTBK1 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q5TCY1
Other Accession	Q6PCN3
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**142737**
Antigen Region	**230-258**

TTBK1 Antibody (N-term) - Additional Information

Gene ID 84630

Other Names
Tau-tubulin kinase 1, Brain-derived tau kinase, TTBK1, BDTK, KIAA1855

Target/Specificity
This TTBK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 230-258 amino acids from the N-terminal region of human TTBK1.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
TTBK1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TTBK1 Antibody (N-term) - Protein Information

Name TTBK1

Synonyms BDTK, KIAA1855

Function Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU.

Cellular Location
Cytoplasm.

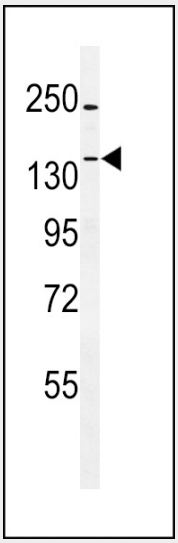
Tissue Location
Expressed in the brain, particularly in cortical and hippocampal neurons. Weakly expressed in spinal cord and testis. No expression in adipose tissue, bladder, cervix, colon, esophagus, heart, kidney, liver, lung, ovary, placenta, prostate, skeletal muscle, small intestine, spleen, testis, thymus, thyroid or trachea

TTBK1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

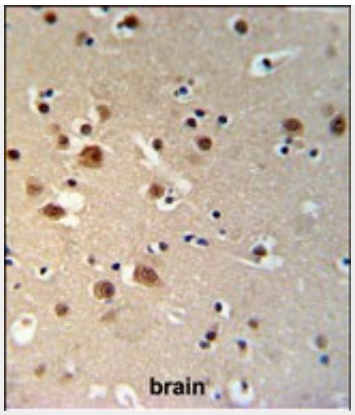
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TTBK1 Antibody (N-term) - Images



Western blot analysis of TTBK1 Antibody (N-term) (Cat. #AP4947a) in mouse testis tissue lysates (35ug/lane). TTBK1 (arrow) was detected using the purified Pab.

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TTBK1 Antibody (N-term) (Cat. #AP4947a) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TTBK1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

TTBK1 Antibody (N-term) - Background

TTBK1 is Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU.

TTBK1 Antibody (N-term) - References

Sato, S., et al. J. Neurosci. 28(53):14511-14521(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Mungall, A.J., et al. Nature 425(6960):805-811(2003)