10320 Camino Santa Fe, Suite G
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TTBK1 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS13734

Specification

TTBK1 Antibody (C-Terminus) - Product Information

Application	**IF, WB, IHC**
Primary Accession	Q5TCY1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**143kDa KDa**

TTBK1 Antibody (C-Terminus) - Additional Information

Gene ID 84630

Other Names
Tau-tubulin kinase 1, 2.7.11.1, Brain-derived tau kinase, TTBK1, BDTK, KIAA1855

Target/Specificity
Human TTBK1

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

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

TTBK1 Antibody (C-Terminus) - 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

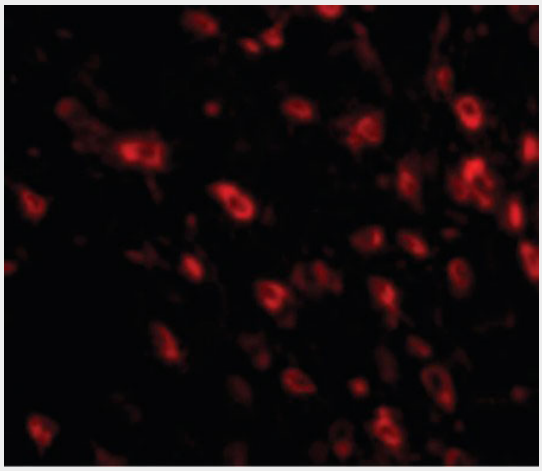
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TTBK1 Antibody (C-Terminus) - Protocols

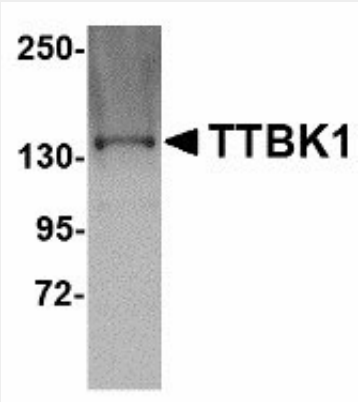
Provided below are standard protocols that you may find useful for product applications.

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

TTBK1 Antibody (C-Terminus) - Images

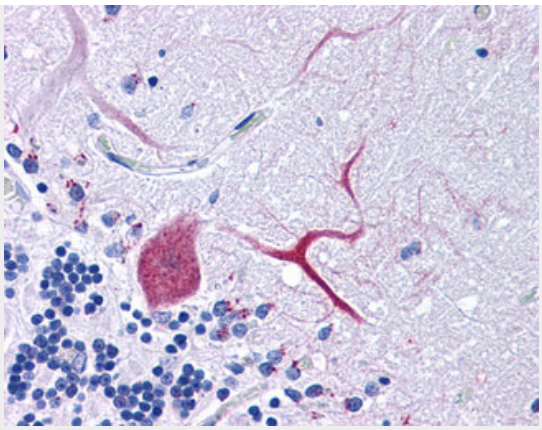


Immunofluorescence of TTBK1 in Human Brain cells with TTBK1 antibody at 20 ug/ml.



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

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Anti-TTBK1 antibody IHC of human brain, cerebellum.

TTBK1 Antibody (C-Terminus) - Background

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

TTBK1 Antibody (C-Terminus) - References

Sato S.,et al.J. Neurochem. 98:1573-1584(2006).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mungall A.J.,et al.Nature 425:805-811(2003).
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