

**ARG44020**  
anti-TTBK1 antibodyPackage: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TTBK1
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TTBK1
Species	Human
Immunogen	Human TTBK1 recombinantprotein
Conjugation	Un-conjugated
Alternate Names	TTBK1; Tau Tubulin Kinase 1; KIAA1855; Brain-Derived Tau Kinase; Tau-Tubulin Kinase 1; BDTK; EC 2.7.11.1; EC 2.7.11

### Application Instructions

Application table	Application	Dilution
	IHC-P	2.5 µg/mL
	WB	1 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS containing 0.02% sodium azide
Preservative	0.02% sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

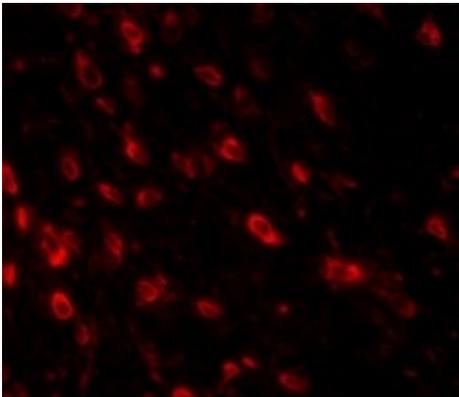
## Bioinformation

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Gene Symbol	TTBK1
Gene Full Name	Tau Tubulin Kinase 1
Background	Summary:This gene belongs to the casein kinase 1 superfamily. The encoded protein is a neuron-specific, serine/threonine and tyrosine kinase, which regulates phosphorylation of tau, a protein that associates with microtubule assemblies and stabilizes them. Genetic variants in this gene are associated with Alzheimer's disease.
Function	Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU.
Calculated Mw	143 kDa
PTM	Phosphoprotein
Cellular Localization	Cytoplasm

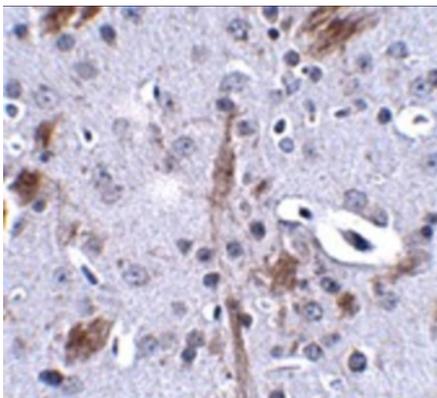
## Images

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ARG44020 anti-TTBK1 antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG44020 anti-TTBK1 antibody at 20  $\mu\text{g}/\text{mL}$  dilution.



ARG44020 anti-TTBK1 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG44020 anti-TTBK1 antibody at 2.5  $\mu\text{g}/\text{mL}$  dilution.