For Research Use Only

TTBK1 Polyclonal antibody

Catalog Number:32938-1-AP



Basic Information	Catalog Number:GenBank Accession Number:32938-1-APBC036764		Purification Method: Antigen affinity Purification	
	Concentration: 550 ug/ml	GenelD (NCBI): 84630	Recommended Dilutions: WB 1:6000-1:12000	
	Source: Rabbit	UNIPROT ID: Q5TCY1		
	Isotype: IgG	Full Name: tau tubulin kinase 1		
	Immunogen Catalog Number: AG36655	Calculated MW: 142/70 kDa		
		Observed MW: 200 kDa		
Applications	WB, ELISA WB : SH		itive Controls: : SH-SY5Y cells, fetal human brain tissue, mouse in tissue, rat brain tissue	
Background Information	contains one protein kinase doma cytoplasm and expressed at high serine/threonine kinase that can tyrosine and serine residues. Spec catalyze the ATP-dependent trans Phosphorylation of Tau causes its TTBK1 in the control of Tubulin dy	in and belongs to the serine/threonin levels in brain and at lower levels in phosphorylate Tau (a protein involve ifically, TTBK1 uses divalent cations, fer of a phosphate group onto Tau, cre aggregation and subsequent loss of f namics. Two isoforms of TTBK1 are ex	ne protein kinase family. Localized to the testis and spinal cord, TTBK1 functions as a d in Tubulin polymerization) on threonine, such as magnesium and manganese, to eating a phosphoprotein and ADP. unction, suggesting an important role for opressed due to alternative splicing events	

 For technical support and original validation data for this product please contact:

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Selected Validation Data

	5H-5Y5Y	al manan brain molupe	brain rat brain
250 kDa→			
100 kDa→			
70 kDa→ 50 kDa→			
40 kDa→ 30 kDa→			
20 kDa→			
$15 \text{ kDa} \rightarrow$			

Various lysates were subjected to SDS PAGE followed by western blot with 32938-1-AP (TTBK1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.