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Rabbit Anti-TTBK2 antibody

SL11771R

Product Name:	TTBK2
Chinese Name:	Tau微管蛋白激酶2抗体
Alias:	TTBK2/SCA11 Tau tubulin kinase 2; Spinocerebellar ataxia 11; Tau tubulin kinase 2; Tau-tubulin kinase 2; TTBK; TTBK 2; TTBK1; TTBK2; TTBK2_HUMAN; TTK; KIAA0847; mKIAA0847; SCA11.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	137kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TTBK2/SCA11:1151-1244/1244
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a serine-threonine kinase that putatively phosphorylates tau and tubulin proteins. Mutations in this gene cause spinocerebellar ataxia type 11 (SCA11); a neurodegenerative disease characterized by progressive ataxia and atrophy of the cerebellum and brainstem. [provided by RefSeq, Aug 2009].

Function:
Serine/threonine kinase which is able to phosphorylate tau on serines.

Subunit:
Interacts with CEP164.

DISEASE:
Defects in TTBK2 are the cause of spinocerebellar ataxia type 11 (SCA11) [MIM:604432]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA11 is an autosomal dominant cerebellar ataxia (ADCA). It is a relatively benign, late-onset, slowly progressive neurologic disorder.

Similarity:
Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Contains 1 protein kinase domain.

SWISS:
Q6IQ55

Gene ID:
146057

Database links:

Entrez Gene: 146057 Human

Omim: 611695 Human

SwissProt: Q6IQ55 Human

Unigene: 646511 Human

Unigene: 727864 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.