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Datasheet for ABIN1385629
anti-TTBK2 antibody (AA 1151-1244)

Overview

Quantity:	100 µL
Target:	TTBK2
Binding Specificity:	AA 1151-1244
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTBK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TTBK2/SCA11
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TTBK2
Alternative Name:	TTBK2/SCA11 (TTBK2 Products)

Target Details

Background: Synonyms: 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.

Background: SCA11 is a 1,244 amino acid protein that belongs to the protein kinase superfamily and the CK1 Ser/Thr protein kinase family. The SCA11 gene, comprising of 16 exons, produces a 5.6-kb transcript in which the longest open reading frame is 3,732 nucleotides. Defects in the SCA11 protein are the cause of the disorder spinocerebellar ataxia type 11 (SCA11). 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. The SCA11 disorder is an autosomal dominant cerebellar ataxia (ADCA). It is a relatively benign, late-onset, slowly progressive neurologic disorder. The SCA11 protein has also been implicated in Alzheimer disease and in tangle formation. Existing as three alternatively spliced isoforms, the SCA11 gene is conserved in chimpanzee, dog, cow, mouse, rat, chicken and zebrafish, and maps to human chromosome 15q15.2.

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months