

Datasheet for ABIN6991063
anti-TTBK2 antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TTBK2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TTBK2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	TTBK2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human TTBK2. The immunogen is located within the last 50 amino acids of TTBK2.
Isotype:	IgG
Specificity:	TTBK2 antibody is human specific. At least four isoforms of TTBK2 are known to exist, this antibody will detect only the two largest isoforms.
Purification:	TTBK2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TTBK2
Alternative Name:	TTBK2 (TTBK2 Products)

Target Details

Background: TTBK2 Antibody: Tau tubulin kinase (TTBK2) is a serine/threonine kinase whose substrates are thought to include the tau and tubulin proteins. Mutations in the TTBK2 gene cause spinocerebellar ataxia type 11 (SCA11), a neurodegenerative disease characterized by progressive ataxia and atrophy of the cerebellum and brainstem. Recent studies have shown that increased levels of TTBK2 expression in kidney carcinoma and melanoma cell lines increases resistance to the chemotherapeutic agent Sunitinib, and that reduction of TTBK2 through the use of siRNA sensitized these cell lines to the effects of Sunitib, suggesting that TTBK2 can be used as a resistance marker as well a potential target to overcome resistance.

Gene ID: 146057

UniProt: [Q6IQ55](#)

Application Details

Application Notes: TTBK2 antibody can be used for detection of TTBK2 by immunohistochemistry at 5 µg/mL.

Antibody validated: Immunohistochemistry in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: TTBK2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TTBK2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.