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Anti-Tau-tubulin kinase 2 TTBK2 Antibody

Catalog Number: A05821

About TTBK2

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 though 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.

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Overview

Product Name	Anti-Tau-tubulin kinase 2 TTBK2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Tau-tubulin kinase 2 TTBK2 Antibody (Catalog # A05821). Tested in ELISA, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P
Clonality	Polyclonal
Formulation	TTBK2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	TTBK2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q6IQ55

Technical Details

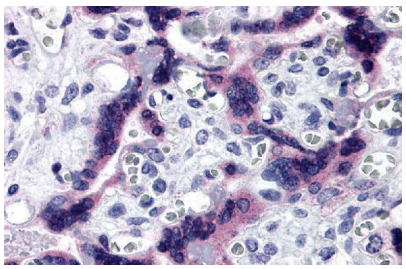
Immunogen	TTBK2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human TTBK2. The immunogen is located within the last 50 amino acids of TTBK2.
Predicted Reactive Species	Mouse
Cross Reactivity	TTBK2 antibody is human specific. At least four isoforms of TTBK2 are known to exist; this antibody

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	will detect only the two largest isoforms.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	TTBK2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	TTBK2 antibody can be used for detection of TTBK2 by immunohistochemistry at 5 ug/mL. Antibody validated: Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Tau-tubulin kinase 2 TTBK2 Antibody (A05821) Images



Immunohistochemistry of TTBK2 in human placenta tissue with TTBK2 antibody at 5 ug/mL.

Anti-Tau-tubulin kinase 2 TTBK2 Antibody

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