

Product Datasheet

Tau tubulin kinase 2 Antibody - BSA Free NBP1-92476

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-92476

Tau tubulin kinase 2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	146057
Gene Symbol	TTBK2
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 24982133). Mouse reactivity reported in scientific literature (PMID: 25599390).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TTEPLDVTKTQTFVVPNQDKNNEIMKLLTVGTSEISSRDIDPHVEGQIGQVAE MQKNKISKDDDIMSEDLPGHQGDLSTFLHQEGKREKITPRNGELFHCVS

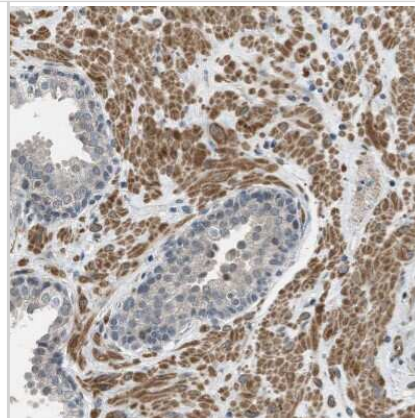
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunoprecipitation, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, IP reactivity reported in (PMID : 24982133).

Images

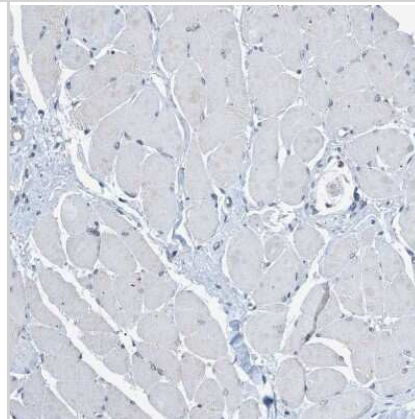
Immunohistochemistry-Paraffin: Tau tubulin kinase 2 Antibody [NBP1-92476] - Staining of human Fallopian tube shows strong positivity in cilia in glandular cells.



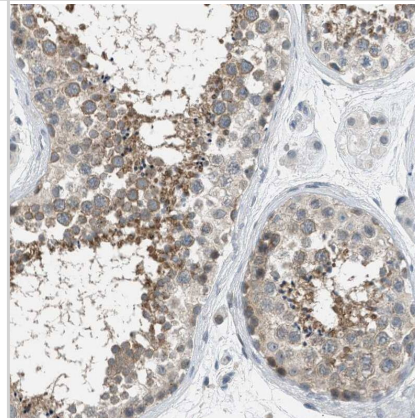
Immunohistochemistry-Paraffin: Tau tubulin kinase 2 Antibody [NBP1-92476] - Staining of human prostate shows moderate cytoplasmic positivity in smooth muscle cells.



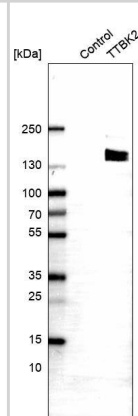
Immunohistochemistry-Paraffin: Tau tubulin kinase 2 Antibody [NBP1-92476] - Staining of human skeletal muscle shows very weak positivity in myocytes.



Staining of human testis shows weak to moderate cytoplasmic positivity in cells in seminiferous ducts.



Analysis in control (vector only transfected HEK293T lysate) and TTBK2 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells).



Publications

Chang T, Wu H, Zhang X et al. TTBK2 affects sperm quality by regulating the expression of centrosomal proteins and flagellar transporters during spermiogenesis in mice. *Molecular human reproduction* 2025-06-23 [PMID: 40581359]

.Bangs FK, Schrode N, Hadjantonakis AK, Anderson KV. Lineage specificity of primary cilia in the mouse embryo. *Nat Cell Biol* 2015-02-01 [PMID: 25599390] (ICC/IF, Mouse)

Cajane L, Nigg EA. Cep164 triggers ciliogenesis by recruiting Tau tubulin kinase 2 to the mother centriole. *Proc Natl Acad Sci U S A* 2014-07-15 [PMID: 24982133] (ICC/IF, IP, Human)





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Products Related to NBP1-92476

NBP1-92476PEP	Tau tubulin kinase 2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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