

Product Datasheet

katanin-p80 Antibody - BSA Free **NBP1-87413**

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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NBP1-87413

katanin-p80 Antibody - BSA Free

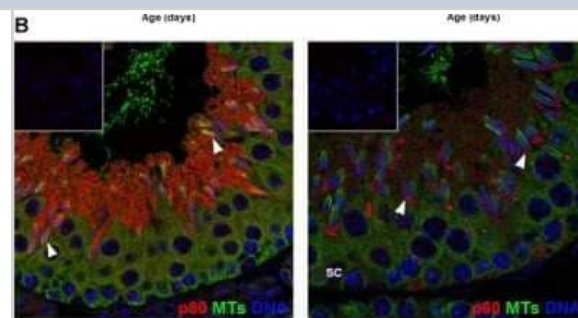
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	10300
Gene Symbol	KATNB1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (88%)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: SPAMDVQFPVNPNEVLPRPPVVASTPAPKAEPAIIPATRNEPIGLKASDFLPAVK IPQQAELVDEDAMSQIRKGHDTMCVVLTSRHKNLDTVRAVWTMGDIKTSVDSA VAINDLSVV

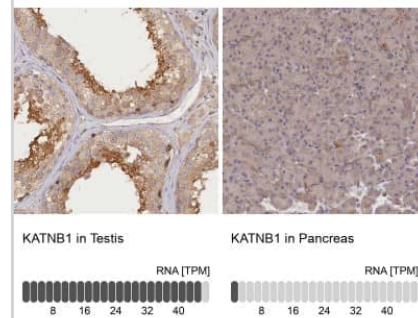
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

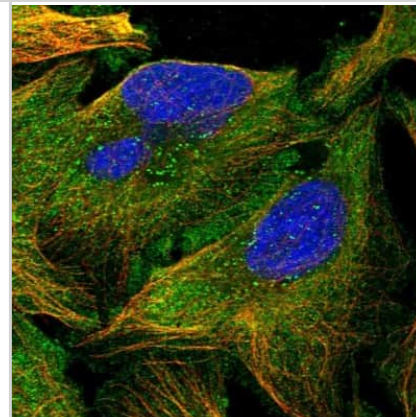
Immunocytochemistry/Immunofluorescence: katanin-p80 Antibody [NBP1-87413] - Katanin p60 and p80 expression in the mouse testis. Immunohistochemical localization of katanin p60 (right) and p80 (left) in the mouse seminiferous epithelium. Katanin subunits p60 (red), alpha-tubulin (green), nuclei (blue). Both katanin subunits were prominently localized to elongating spermatids (arrowheads). Katanin p60 was also visible in Sertoli cell nuclei (SC). The inset in each micrograph shows a control for the secondary antibody (primary antibody substituted with buffer). Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1002698>), licensed under a CC-BY license.



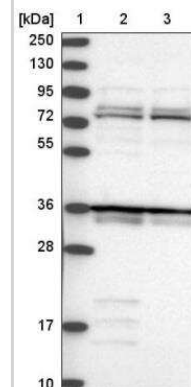
Immunohistochemistry-Paraffin: katanin-p80 Antibody [NBP1-87413] - Staining in human testis and pancreas tissues using anti-KATNB1 antibody. Corresponding KATNB1 RNA-seq data are presented for the same tissues.



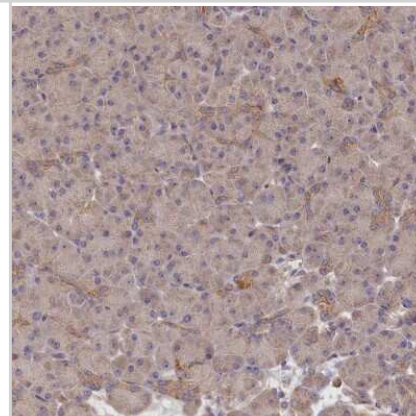
Immunocytochemistry/Immunofluorescence: katanin-p80 Antibody [NBP1-87413] - Staining of human cell line U-2 OS shows localization to plasma membrane, cytosol and microtubules.



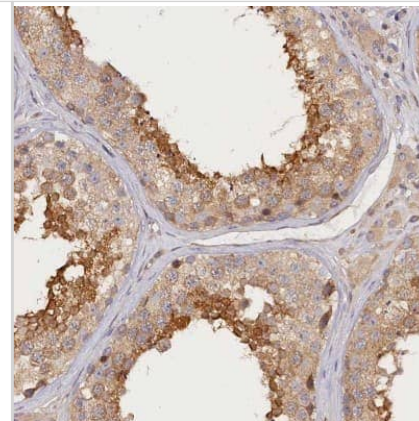
Western Blot: katanin-p80 Antibody [NBP1-87413] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG sp



Immunohistochemistry-Paraffin: katanin-p80 Antibody [NBP1-87413] - Staining of human pancreas shows low expression as expected.



Immunohistochemistry-Paraffin: katanin-p80 Antibody [NBP1-87413] - Staining of human testis shows high expression.



Publications

O'Donnell L, Rhodes D, Smith SJ et al. An essential role for katanin p80 and microtubule severing in male gamete production. PLoS Genet 2012-01-01 [PMID: 22654669]





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Products Related to NBP1-87413

NBP1-87413PEP	katanin-p80 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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