

Product Datasheet

DNAH2 Antibody - BSA Free

NBP2-49506

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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Publications: 5

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NBP2-49506

DNAH2 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

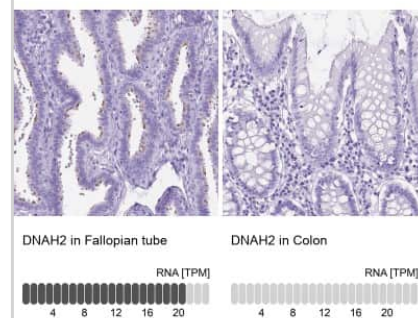
Product Description	
Host	Rabbit
Gene ID	146754
Gene Symbol	DNAH2
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: PGEWENACNEMQRMLIVRSLRQDRVAFCVTSFIITNLGSRFIEPPVLNMKSVLE DSTPRSPLVLFILSPGVDPTSALL

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 30811583), 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.

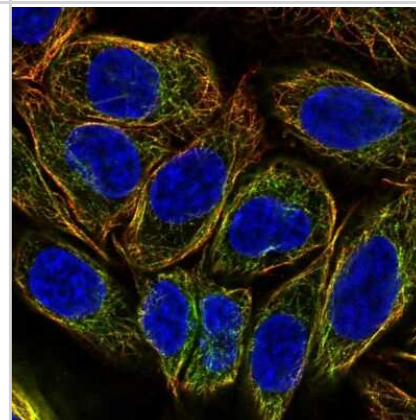


Images

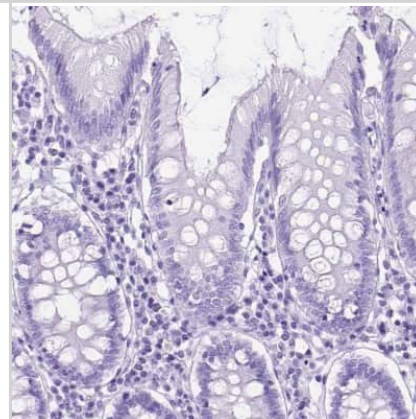
Immunohistochemistry-Paraffin: DNAH2 Antibody [NBP2-49506] - Staining in human fallopian tube and colon tissues using anti-DNAH2 antibody. Corresponding DNAH2 RNA-seq data are presented for the same tissues.



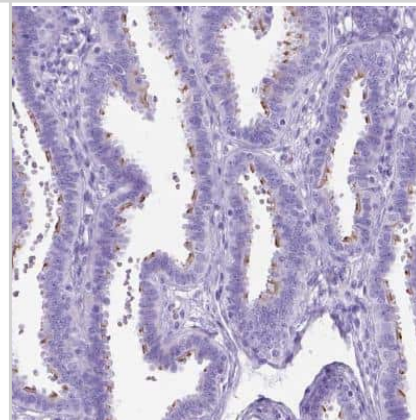
Immunocytochemistry/Immunofluorescence: DNAH2 Antibody [NBP2-49506] - Staining of human cell line SiHa shows localization to microtubules.



Immunohistochemistry-Paraffin: DNAH2 Antibody [NBP2-49506] - Staining of human colon shows low expression as expected.



Immunohistochemistry-Paraffin: DNAH2 Antibody [NBP2-49506] - Staining of human fallopian tube shows high expression.



Publications

Wang C, Xie Q, Xia X et Al. ZMYND12 serves as an IDAd subunit that is essential for sperm motility in mice Cell Mol Life Sci 2024-07-28 [PMID: 39066891]

Gui-Quan Meng, Yaling Wang, Chen Luo, Yu-Mei Tan, Yong Li, Chen Tan, Chaofeng Tu, Qian-Jun Zhang, Liang Hu, Huan Zhang, Lan-Lan Meng, Chun-Yu Liu, Leiyu Deng, Guang-Xiu Lu, Ge Lin, Juan Du, Yue-Qiu Tan, Yanwei Sha, Lingbo Wang, Wen-Bin He Bi-allelic variants in DNAH3 cause male infertility with asthenoteratozoospermia in humans and mice Human Reproduction Open 2024-01-01 [PMID: 38312775]

Gao Y, Tian S, Sha Y, et al. Novel bi-allelic variants in DNAH2 cause severe asthenoteratozoospermia with multiple morphological abnormalities of the flagella Reprod Biomed Online 2021-03-27 [PMID: 33771466]

Tan C, Meng L, Lv M et al. Bi-allelic variants in DNHD1 cause flagellar axoneme defects and asthenoteratozoospermia in humans and mice American journal of human genetics 2022-01-06 [PMID: 34932939]

Li Y, Sha Y, Wang X et al. DNAH2 is a novel candidate gene associated with multiple morphological abnormalities of the sperm flagella Clin. Genet. 2019-02-27 [PMID: 30811583] (ICC/IF, WB, Human)





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Products Related to NBP2-49506

NBP2-49506PEP	DNAH2 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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