

Product Datasheet

TSGA2 Antibody - BSA Free

NBP1-89839

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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NBP1-89839

TSGA2 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

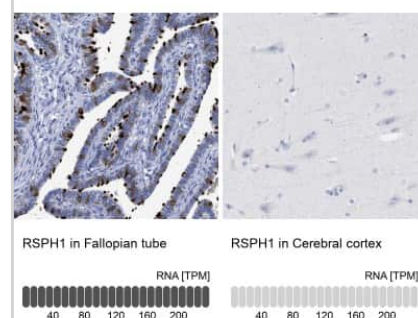
Host	Rabbit
Gene ID	89765
Gene Symbol	RSPH1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30896965).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TAELIHLNHRYQGKFLNKNPVGPGKYVFDVGCEQHGEYRLTDMERGEEEEEEE ELVTVPKWKATQITELALWTPTL

Product Application Details

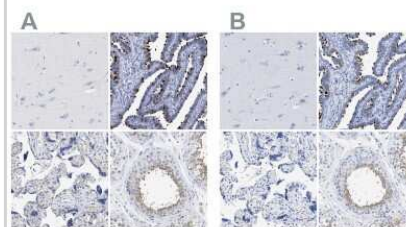
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reported in scientific literature (PMID: 30896965), Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

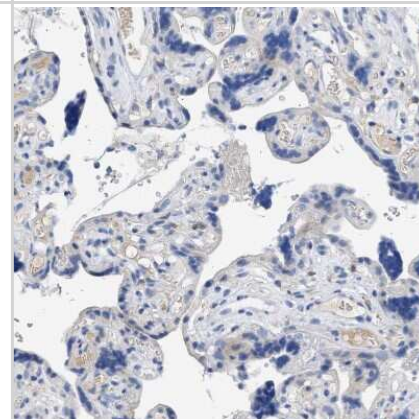
Immunohistochemistry-Paraffin: TSGA2 Antibody [NBP1-89839] - Analysis in human fallopian tube and cerebral cortex tissues using NBP1-89839 antibody. Corresponding RSPH1 RNA-seq data are presented for the same tissues.



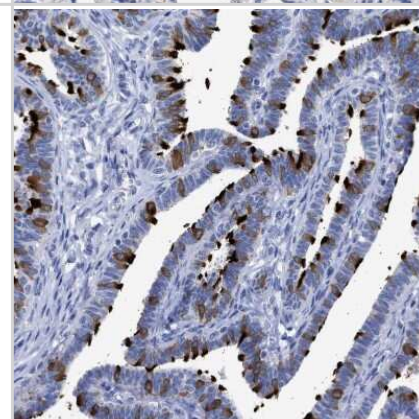
Immunohistochemistry-Paraffin: TSGA2 Antibody [NBP1-89839] - Staining of human cerebral cortex, fallopian tube, placenta and testis using Anti-RSPH1 antibody NBP1-89839 (A) shows similar protein distribution across tissues to independent antibody NBP1-89840 (B).



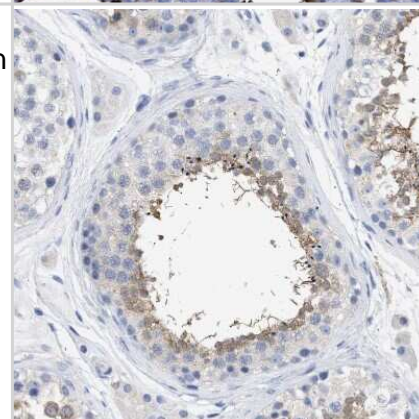
Immunohistochemistry-Paraffin: TSGA2 Antibody [NBP1-89839] - Staining of human placenta shows no positivity in trophoblastic cells as expected.



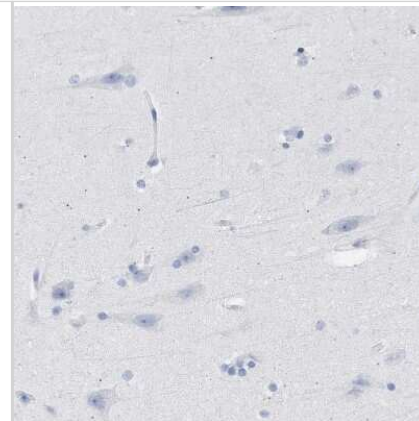
Immunohistochemistry-Paraffin: TSGA2 Antibody [NBP1-89839] - Staining of human Fallopian tube shows strong positivity in cilia in glandular cells.



Immunohistochemistry-Paraffin: TSGA2 Antibody [NBP1-89839] - Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



Immunohistochemistry-Paraffin: TSGA2 Antibody [NBP1-89839] - Staining of human cerebral cortex shows no positivity in neurons as expected.



Publications

Zhang X, Xiao Z, Zhang J et al. Differential requirements of IQUB for the assembly of radial spoke 1 and the motility of mouse cilia and flagella Cell reports 2022-11-22 [PMID: 36417862] (WB, Mouse)

Yin W, Livraghi-Butrico A, Sears PR et al. Mice with a Deletion of Rsph1 Exhibit a Low Level of Mucociliary Clearance and Develop a PCD Phenotype Am. J. Respir. Cell Mol. Biol. 2019-03-21 [PMID: 30896965] (WB, Mouse)

Onoufriadis A, Shoemark A, Schmidts M et al. Targeted NGS gene panel identifies mutations in RSPH1 causing primary ciliary dyskinesia and a common mechanism for ciliary central pair agenesis due to radial spoke defects. Hum Mol Genet 2014-07-01 [PMID: 24518672]

Kott E, Legendre M, Copin B et al. Loss-of-Function Mutations in RSPH1 Cause Primary Ciliary Dyskinesia with Central-Complex and Radial-Spoke Defects. Am J Hum Genet 2013-09-05 [PMID: 23993197]



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Products Related to NBP1-89839

NBP1-89839PEP	TSGA2 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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