

Product Datasheet

RGS17 Antibody - BSA Free

NBP1-80839

Unit Size: 0.1 ml

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

www.novusbio.com



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Publications: 2

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NBP1-80839

RGS17 Antibody - BSA Free

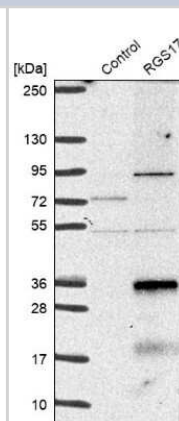
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit RGS17 Antibody - BSA Free (NBP1-80839) is a polyclonal antibody validated for use in IHC and WB. Anti-RGS17 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	26575
Gene Symbol	RGS17
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NEGTPAVSQAPGNQRPNNTCCFCWCCCCSCSCLTVRNEERGENAGRPTHTT KMESIQVLEECQNPTAEEVLSWSQNFDMKMMKAPAGRNLFREFLRTEY

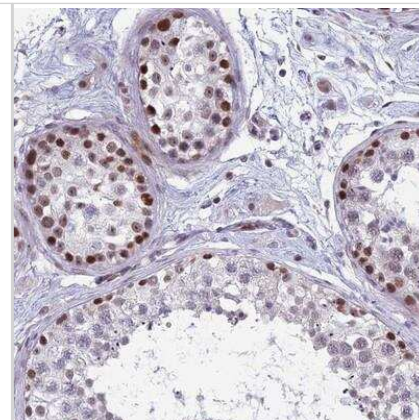
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

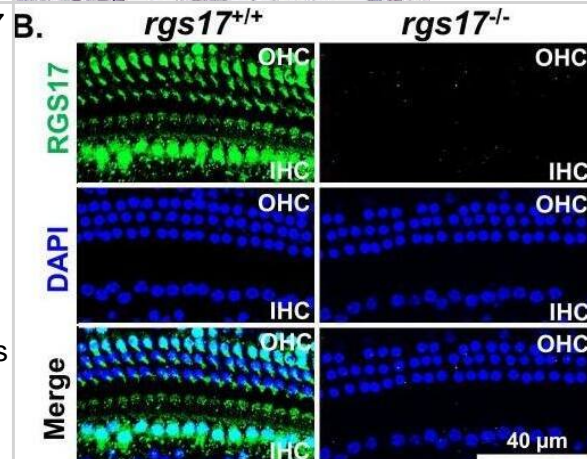
Western Blot: RGS17 Antibody [NBP1-80839] - Analysis in control (vector only transfected HEK293T lysate) and RGS17 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



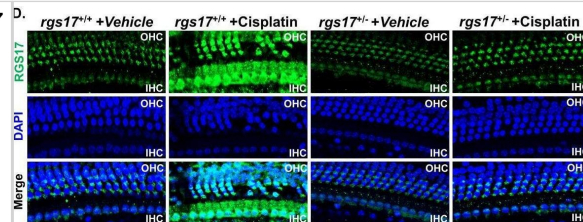
Immunohistochemistry-Paraffin: RGS17 Antibody [NBP1-80839] - Staining of human testis shows strong nuclear positivity in a subset of cells in seminiferous ducts of testis.



RGS17 tissue-specific knockout scheme and effect of cisplatin in RGS17 expression in whole-mount dissection. (A) Genomic organization of RGS17^{loxP} and RGS17^{-/-} alleles. Exon 2 was flanked with the loxP sequence, which was cleaved using Atoh-1CreEr to generate mice with specific RGS17^{-/-} knockout in the hair cells. (B) The cochleae were harvested from wild-type RGS17^{+/+} and RGS17^{-/-} mice. Whole-mount dissection for basal turn was immunolabeled with RGS17 antibody to validate RGS17 expression. The expression of RGS17 (green) was located in the outer and inner hair cells of wild-type mice. However, RGS17 was not detected in the outer and inner hair cells of knockout mice. (C) Schematic illustration of the experimental design that describes the dosage and route of administration of control or cisplatin (3.5 mg/kg) for two cycles; each cycle consists of a 4-day cisplatin administration followed by a 10-day recovery period. Mice were sacrificed at the end of the second cycle (D), and cochleae were collected and processed for whole-mount dissection. The basal turns of each cochlea were immunolabeled with RGS17 (green) and DAPI (blue). High levels of RGS17 immunolabeling were detected in the outer and inner hair cells of wild-type RGS17^{+/+} mice treated with cisplatin. Inducible hair cell-specific RGS17 knockdown (RGS17^{+/-}) mice showed a slight increase of RGS17 immunolabeling in the outer and inner hair cells following cisplatin administration. However, a hair cell-specific knockout of RGS17 abolished the immunolabeling of RGS17 in both the outer and inner hair cells. Figures shown are representative of six independent animals per treatment group. Scale bar = 40 μ m. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40061942>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Sun X, Zhou L, Han Y et al. Scutellarin Attenuates Doxorubicin-Induced Cardiotoxicity by Inhibiting Myocardial Fibrosis, Apoptosis and Autophagy in Rats *Chemistry & biodiversity* 2022-11-23 [PMID: 36419360]

Yokoyama M, Fujita T, Kadonosawa Y et al. Development of transgenic mice overexpressing mouse carbonyl reductase 1 *Molecular biology reports* 2022-11-09 [PMID: 36352178]



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Products Related to NBP1-80839

NBP1-80839PEP	RGS17 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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