

Datasheet for 600-401-DX9**RGPD5 Antibody****Overview**

Description:	Anti-RGPD5 (RABBIT) Antibody - 600-401-DX9
Item No.:	600-401-DX9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The RANBP2-like and GRIP domain containing 5 protein (RGPD5) has high similarity to RANBP2, a large RAN-binding protein localized at the cytoplasmic side of the nuclear pore complex. The gene coding for RGPD5 is thought to have arisen from a gene duplication event of RANBP2 as these highly homologous genes are located close to each other at chromosome 2q11-q12. RGPD5 was identified as an HIV dependency factor (HDF), suggesting that RGPD5 may be an important drug target in HIV treatment. At least two isoforms of RGPD5 are known to exist, of which the shorter isoform is expressed primarily in testis, while the longer of the two is expressed at low levels in a number of somatic tissues.
Synonyms:	RGPD5 Antibody, BS63, RGP5, BS-63, HEL161, RANBP2L1, RGP7, RGPD7, RGPD6, RANBP2L2, RGP6, Sperm membrane protein BS-63, RanBP2L1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	RGPD5
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-RGPD5 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide from near the N-terminus of human RGPD5.
Purity/Specificity:	Anti-RGPD5 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with RGPD5 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q99666 • GeneID - 84220 • NCBI - NP_005045

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-RGPD5 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 199 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
IHC:	10 µg/mL
WB:	1 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

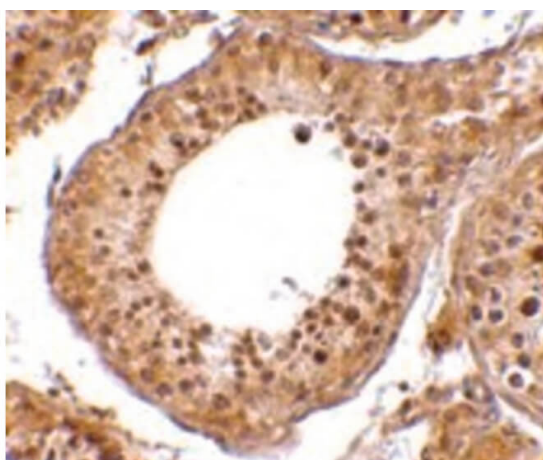
Shipping & Handling

Shipping Condition:	Dry Ice
----------------------------	---------

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

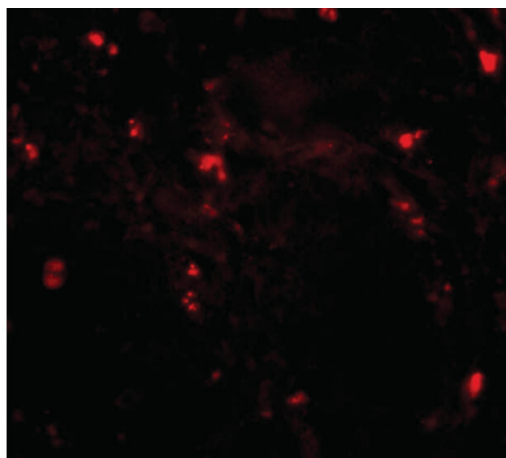
Expiration: Expiration date is one (1) year from date of receipt.

Images



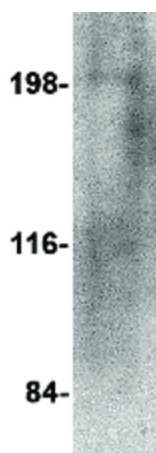
Immunohistochemistry

Immunohistochemistry of RGP5 antibody. Tissue: Human testis tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: RGP5 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: RGP5 is nuclear and occasionally cytoplasmic. Staining: RGP5 as a precipitated red signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy

Immunofluorescence Microscopy of RGP5 antibody. Tissue: Human testis tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: RGP5 at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: RGP5 as a red fluorescent signal.

**Western Blot**

Western Blot of RGPDS antibody. Lane 1: Human thymus tissue lysate at 1 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 198.9 kDa, 198 kDa for RGPDS.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.