

RGPD5 Antibody

Catalog # ASC10683

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q99666
Other Accession	NP_005045 , 83267877
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	198924
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	RGPD5 antibody can be used for detection of RGPD5 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 10 µg/mL. For immunofluorescence start at 20 µg/mL.

Additional Information

Gene ID	729540;84220
Other Names	RANBP2-like and GRIP domain-containing protein 5/6, Ran-binding protein 2-like 1/2, RanBP2-like 1/2, RanBP2L1, RanBP2L2, Sperm membrane protein BS-63, RGPD5, RANBP2L1, RGP5, RGP7, RGPD7
Target/Specificity	RGPD5;
Reconstitution & Storage	RGPD5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	RGPD5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RGPD5
Synonyms	RANBP2L1, RGP5, RGP7, RGPD7
Cellular Location	Cytoplasm.
Tissue Location	Expressed in testis..

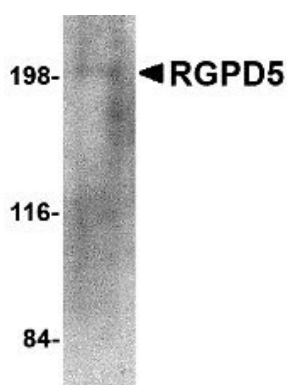
Background

RGPD5 Antibody: 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.

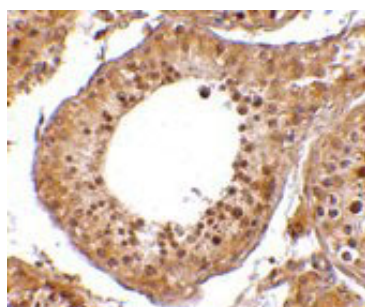
References

Nothwang HG, Rensing C, Kubler M, et al. Identification of a novel Ran binding protein 2 related gene (RANBP2L1) and detection of a gene cluster on chromosome 2q11-q12. *Genomics*1998; 47:383-92.
Brass AL, Dykxhoorn DM, Benita Y, et al. Identification of host proteins required for HIV infection through a functional genomic screen. *Science*2008; 319:921-6.
Wang LF, Zhu HD, Miao SY, et al. Molecular cloning and characterization of a novel testis-specific nucleoporin-related gene. *Arch. Androl.*1999; 42:71-84.

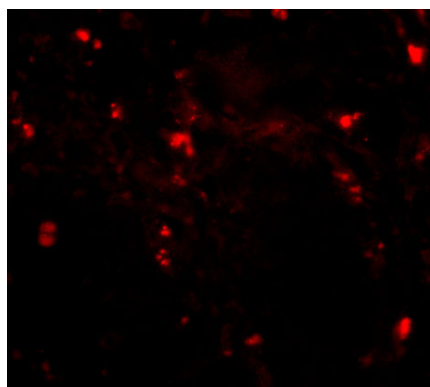
Images



Western blot analysis of RGPD5 in human thymus tissue lysate with RGPD5 antibody at 1 μ g/mL.



Immunohistochemistry of RGPD5 in human testis tissue cells with RGPD5 antibody at 10 μ g/mL.



Immunofluorescence of RGPD5 in human testis tissue with RGPD5 antibody at 20 μ g/mL.

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