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RGPD5 Antibody
Catalog # ASC10683

Specification

RGPD5 Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q99666
Other Accession	NP_005045, 83267877
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
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.**

RGPD5 Antibody - Additional Information

Gene ID	**84220**

Target/Specificity
RGPD5;

Reconstitution & Storage
RGPD5 antibody can be stored at 4℃ for three months and -20℃, 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.

RGPD5 Antibody - Protein Information

Name RGPD5

Synonyms RANBP2L1, RGP5, RGP7, RGPD7

Cellular Location
Cytoplasm.

Tissue Location
Expressed in testis..

RGPD5 Antibody - Protocols

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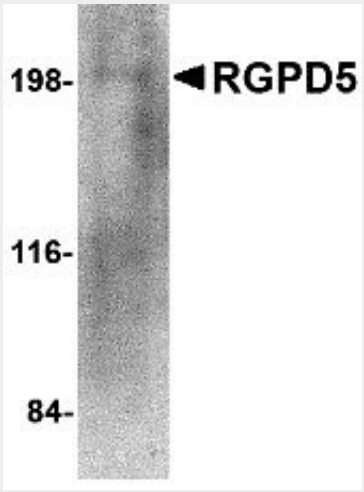
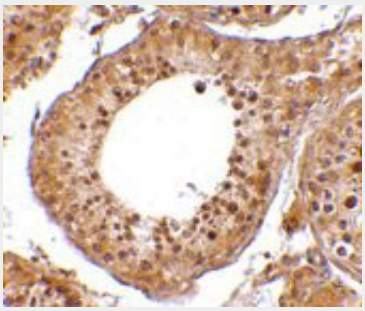
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RGPD5 Antibody - Images



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



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

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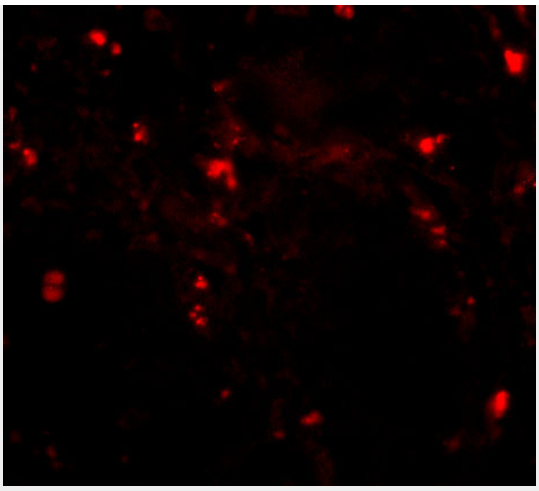

Immunofluorescence of RGPD5 in human testis tissue with RGPD5 antibody at 20 µg/mL.

RGPD5 Antibody - 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.

RGPD5 Antibody - 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. Genomics1998; 47:383-92.
Brass AL, Dykxhoorn DM, Benita Y, et al. Identification of host proteins required for HIV infection through a functional genomic screen. Science2008; 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.