10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

RGS3 Antibody (clone 1E8-C7)

Mouse Monoclonal Antibody

Catalog # ALS14148

Specification

RGS3 Antibody (clone 1E8-C7) - Product Information

Application	**WB, IF, IHC**
Primary Accession	P49796
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**132kDa KDa**

RGS3 Antibody (clone 1E8-C7) - Additional Information

Gene ID 5998

Other Names
Regulator of G-protein signaling 3, RGP3, RGS3, RGS3

Target/Specificity
Human RGS3

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
RGS3 Antibody (clone 1E8-C7) is for research use only and not for use in diagnostic or therapeutic procedures.

RGS3 Antibody (clone 1E8-C7) - Protein Information

Name RGS3

Function
Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G-protein- mediated release of inositol phosphates and activation of MAP kinases.

Cellular Location
Cytoplasm. Nucleus. Cell membrane; Peripheral membrane protein. Note=Long isoforms are cytoplasmic and associated with the plasma membrane (PubMed:9858594). Short isoforms are nuclear (PubMed:10749886)

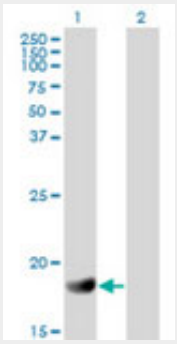
RGS3 Antibody (clone 1E8-C7) - Protocols

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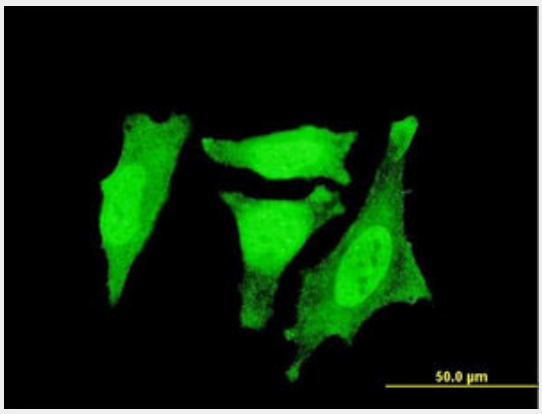
Provided below are standard protocols that you may find useful for product applications.

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

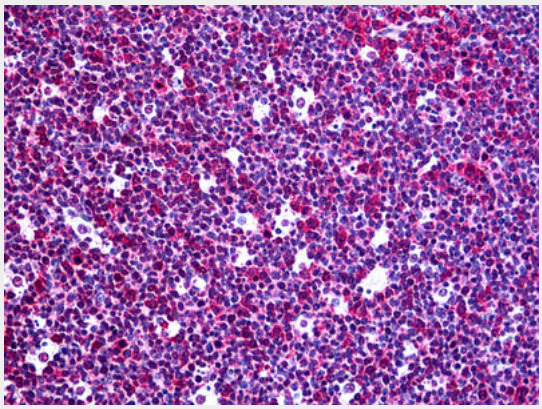
RGS3 Antibody (clone 1E8-C7) - Images



Western blot of RGS3 expression in transfected 293T cell line by RGS3 monoclonal antibody clone...



Immunofluorescence of monoclonal antibody to RGS3 on HeLa cell. [antibody concentration 10 ug/ml].



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Anti-RGS3 antibody IHC of human tonsil.

RGS3 Antibody (clone 1E8-C7) - Background

Down-regulates signaling from heterotrimeric G-proteins by increasing the GTPase activity of the alpha subunits, thereby driving them into their inactive GDP-bound form. Down-regulates G-protein-mediated release of inositol phosphates and activation of MAP kinases.

RGS3 Antibody (clone 1E8-C7) - References

Druey K.M.,et al.Nature 379:742-746(1996).
Kehrl J.H.,et al.Genomics 79:860-868(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Chatterjee T.K.,et al.Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
Puhl H.L. III,et al.Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.