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RGS20 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant RGS20.
Catalog # AT3629a

Specification

RGS20 Antibody (monoclonal) (M04) - Product Information

Application	**IF, WB, E**
Primary Accession	O76081
Other Accession	NM_003702
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**43692**

RGS20 Antibody (monoclonal) (M04) - Additional Information

Gene ID 8601

Other Names
Regulator of G-protein signaling 20, RGS20, Gz-selective GTPase-activating protein, G(z)GAP, Gz-GAP, Regulator of G-protein signaling Z1, Regulator of Gz-selective protein signaling 1, RGS20, RGSZ1, ZGAP1

Target/Specificity
RGS20 (NP_003693, 78 a.a. ~ 176 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
RGS20 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

RGS20 Antibody (monoclonal) (M04) - Protocols

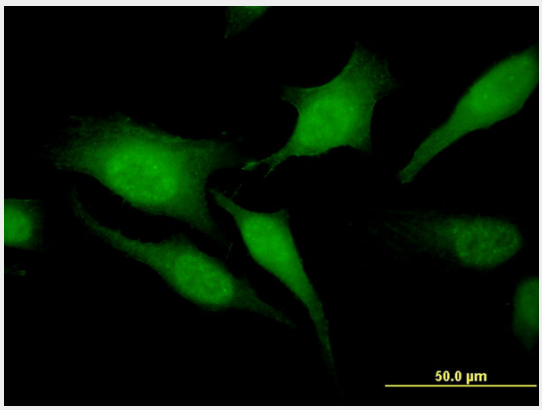
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

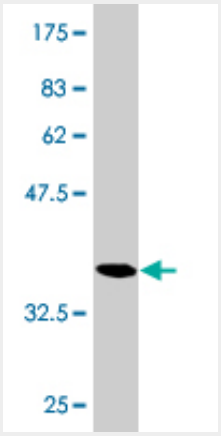
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

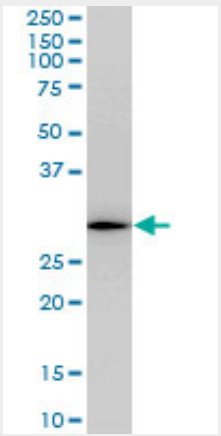
RGS20 Antibody (monoclonal) (M04) - Images



Immunofluorescence of monoclonal antibody to RGS20 on HeLa cell . [antibody concentration 10 ug/ml]

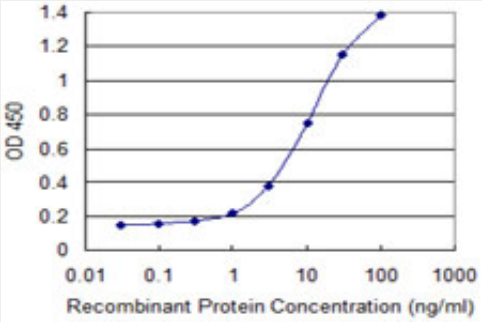


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



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RGS20 monoclonal antibody (M04), clone 3E10. Western Blot analysis of RGS20 expression in NIH/3T3 ((Cat # AT3629a)



Detection limit for recombinant GST tagged RGS20 is 0.3 ng/ml as a capture antibody.

RGS20 Antibody (monoclonal) (M04) - Background

Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins are GTPase-activating proteins for Gi (see GNAI1; MIM 139310) and Gq (see GNAQ; MIM 600998) class G-alpha proteins. They accelerate transit through the cycle of GTP binding and hydrolysis and thereby accelerate signaling kinetics and termination.

RGS20 Antibody (monoclonal) (M04) - References

Genetic Variations in Regulator of G-Protein Signaling Genes as Susceptibility Loci for Second Primary Tumor/Recurrence in Head and Neck Squamous Cell Carcinoma. Wang J, et al. Carcinogenesis, 2010 Jul 12. PMID 20627871.Galphao/i-stimulated proteosomal degradation of RGS20: a mechanism for temporal integration of Gs and Gi pathways. Pagano M, et al. Cell Signal, 2008 Jun. PMID 18407463.Identification of hypertension-susceptibility genes and pathways by a systemic multiple candidate gene approach: the millennium genome project for hypertension. Kohara K, et al. Hypertens Res, 2008 Feb. PMID 18360038.Systematic identification of SH3 domain-mediated human protein-protein interactions by peptide array target screening. Wu C, et al. Proteomics, 2007 Jun. PMID 17474147.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.