

Goat Anti-Rabenosyn 5 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1896a

Specification

Goat Anti-Rabenosyn 5 Antibody - Product Information

Application	WB
Primary Accession	O9H1K0
Other Accession	NP_071735 , 64145
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	88870

Goat Anti-Rabenosyn 5 Antibody - Additional Information

Gene ID 64145

Other Names

Rabenosyn-5, 110 kDa protein, FYVE finger-containing Rab5 effector protein rabenosyn-5, RAB effector RBSN {ECO:0000312|HGNC:HGNC:20759}, Zinc finger FYVE domain-containing protein 20, RBSN ([HGNC:20759](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=20759))

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Rabenosyn 5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Rabenosyn 5 Antibody - Protein Information

Name RBSN ([HGNC:20759](#))

Function

Rab4/Rab5 effector protein acting in early endocytic membrane fusion and membrane trafficking of recycling endosomes. Required for endosome fusion either homotypically or with clathrin coated vesicles. Plays a role in the lysosomal trafficking of CTSD/cathepsin D from the Golgi to lysosomes. Also promotes the recycling of transferrin directly from early endosomes to the plasma membrane.

Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate (PtdInsP3) (PubMed:11062261, PubMed:11788822, PubMed:15020713). Plays a role in the recycling of transferrin receptor to the plasma membrane (PubMed:22308388).

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side. Early endosome membrane; Lipid-anchor. Note=Enriched in endosomes that are in close proximity to clathrin-enriched regions at the cell surface.

Goat Anti-Rabenosyn 5 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Rabenosyn 5 Antibody - Images



AF1896a (0.3 µg/ml) staining of A431 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Rabenosyn 5 Antibody - References

Common and distinct roles for the binding partners Rabenosyn-5 and Vps45 in the regulation of endocytic trafficking in mammalian cells. Rahajeng J, et al. *Exp Cell Res*, 2010 Mar 10. PMID 19931244.

A probability-based approach for high-throughput protein phosphorylation analysis and site localization. Beausoleil SA, et al. *Nat Biotechnol*, 2006 Oct. PMID 16964243.

Phosphorylation of EEA1 by p38 MAP kinase regulates mu opioid receptor endocytosis. MacG G, et al. *EMBO J*, 2005 Sep 21. PMID 16138080.

Structural basis of family-wide Rab GTPase recognition by rabenosyn-5. Eathiraj S, et al. *Nature*, 2005 Jul 21. PMID 16034420.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334.