

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 (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.