

Goat Anti-EXOC7 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1387a**Specification**

Goat Anti-EXOC7 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9UPT5
Other Accession	NP_056034 , 23265
Reactivity	Human
Predicted	Mouse, Rat, Pig, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	83382

Goat Anti-EXOC7 Antibody - Additional Information**Gene ID** 23265**Other Names**

Exocyst complex component 7, Exocyst complex component Exo70, EXOC7, EXO70, KIAA1067

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-EXOC7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-EXOC7 Antibody - Protein Information**Name** EXOC7**Synonyms** EXO70, KIAA1067**Function**

Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane. In adipocytes, plays a crucial role in targeting SLC2A4 vesicle to the plasma membrane in response to insulin, perhaps directing the vesicle to the precise site of fusion (By similarity). It is required for neuron survival and plays an essential role in cortical development

(By similarity).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:O35250}. Cell membrane {ECO:0000250|UniProtKB:O35250}; Peripheral membrane protein. Midbody, Midbody ring
Note=Translocates, as a preformed complex with EXOC3/SEC6 and EXOC4/SEC8, to the plasma membrane in response to insulin through the activation of ARHQ (By similarity). Colocalizes with CNTRL/centriolin at the midbody ring (PubMed:16213214). {ECO:0000250|UniProtKB:O35250, ECO:0000269|PubMed:16213214}

Tissue Location

Abundant in the ventricular zone, the outer subventricular zone and the cortical plate of the fetal cortex

Goat Anti-EXOC7 Antibody - Protocols

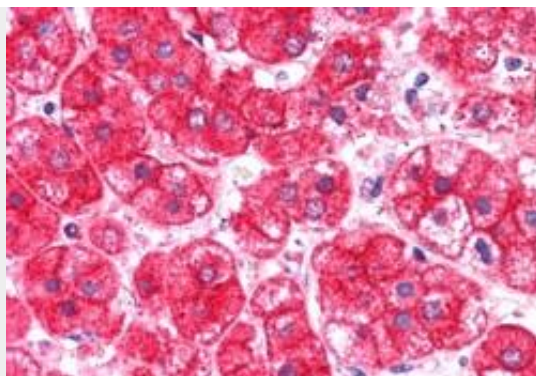
Provided below are standard protocols that you may find useful for product applications.

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

Goat Anti-EXOC7 Antibody - Images



AF1387a (0.5 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1387a (0.5 µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-EXOC7 Antibody - Background

EXOC7 is a component of the exocyst, which is an evolutionarily conserved octameric protein complex essential for exocytosis. The exocyst targets secretory vesicles at specific domains of the plasma membrane for cell surface expansion and protein secretion (Zuo et al., 2006 [PubMed 17086175]).

Goat Anti-EXOC7 Antibody - References

Novel interaction partners of Bardet-Biedl syndrome proteins. Oeffner F, et al. Cell Motil Cytoskeleton, 2008 Feb. PMID 18000879.

Exo70 interacts with the Arp2/3 complex and regulates cell migration. Zuo X, et al. Nat Cell Biol, 2006 Dec. PMID 17086175.

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

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.