

Goat Anti-FAM62A Antibody
Peptide-affinity purified goat antibody
Catalog # AF1398a**Specification**

Goat Anti-FAM62A Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	O9BSJ8
Other Accession	NP_056107 , 23344 , 23943 (mouse) , 29579 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	122856

Goat Anti-FAM62A Antibody - Additional Information**Gene ID** 23344**Other Names**

Extended synaptotagmin-1, E-Syt1, Membrane-bound C2 domain-containing protein, ESYT1, FAM62A, KIAA0747, MBC2

DilutionWB~~1:1000
IHC~~1:100~500
Pep-ELISA~~N/A**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-FAM62A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-FAM62A Antibody - Protein Information**Name** ESYT1 ([HGNC:29534](#))**Synonyms** FAM62A, KIAA0747, MBC2

Function

Binds calcium (via the C2 domains) and translocates to sites of contact between the endoplasmic reticulum and the cell membrane in response to increased cytosolic calcium levels (PubMed:23791178, PubMed:24183667). Helps tether the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane (PubMed:24183667). Acts as an inhibitor of ADGRD1 G-protein-coupled receptor activity in absence of cytosolic calcium (PubMed:38758649). Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Cell membrane; Peripheral membrane protein. Note=Localizes primarily to the endoplasmic reticulum (PubMed:29469807). Recruited to sites of contact between the endoplasmic reticulum and the cell membrane in response to increased cytosolic calcium levels (PubMed:22250200, PubMed:29469807).

Tissue Location

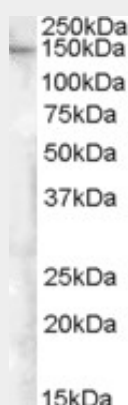
Widely expressed..

Goat Anti-FAM62A Antibody - Protocols

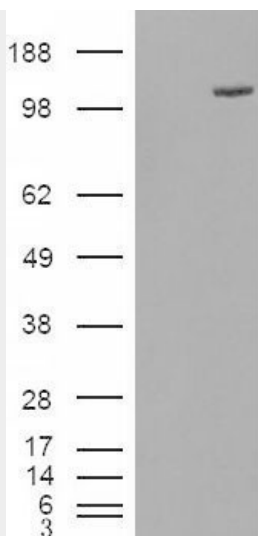
Provided below are standard protocols that you may find useful for product applications.

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

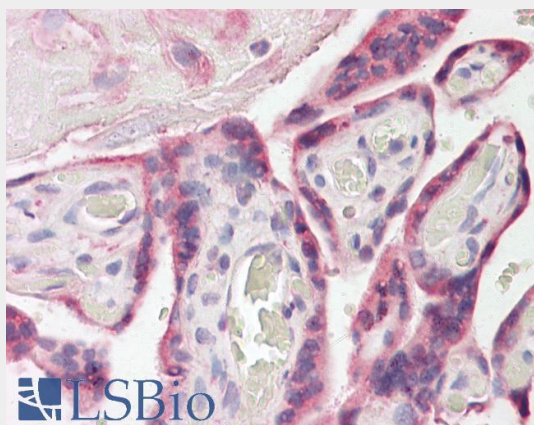
Goat Anti-FAM62A Antibody - Images



EB08321 (0.5µg/ml) staining of Human Adipose lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing FAM62A (RC201380) and probed with EB08321 (mock transfection in first lane), tested by Origene.



EB08321 (3.75µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-FAM62A Antibody - References

Evolutionary genomics of plant genes encoding N-terminal-TM-C2 domain proteins and the similar FAM62 genes and synaptotagmin genes of metazoans. Craxton M. BMC Genomics, 2007 Jul 31. PMID 17672888.

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.

Immunoaffinity profiling of tyrosine phosphorylation in cancer cells. Rush J, et al. Nat Biotechnol, 2005 Jan. PMID 15592455.

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.

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