

ESYT1 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS15358**Specification**

ESYT1 Antibody (Internal) - Product Information

Application	WB, IHC-P, E
Primary Accession	O9BSJ8
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	123kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

ESYT1 Antibody (Internal) - Additional Information**Gene ID** 23344**Other Names**

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

Target/Specificity

Human ESYT1 / FAM62A.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

ESYT1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

ESYT1 Antibody (Internal) - 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..

ESYT1 Antibody (Internal) - 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](#)

ESYT1 Antibody (Internal) - Images



Antibody (0.5 ug/ml) staining of Human Adipose lysate (35 ug protein in RIPA buffer).

ESYT1 Antibody (Internal) - Background

Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport (By similarity). 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. Helps tether the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane.

ESYT1 Antibody (Internal) - References

Min S.-W., et al. Proc. Natl. Acad. Sci. U.S.A. 104:3823-3828(2007).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Nagase T.,et al.DNA Res. 5:277-286(1998).

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