

**ESYT1 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11120****Specification**

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**ESYT1 Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">O9BSJ8</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 123kDa KDa             |

**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. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ESYT2 (56%).

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**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 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.

**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:29469807, PubMed:22250200).

**Tissue Location**

Widely expressed..

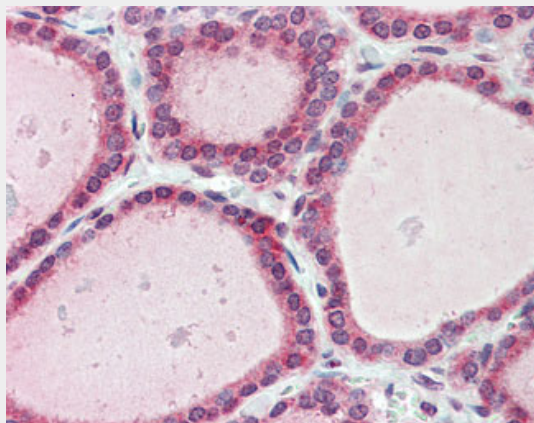
**Volume**

50  $\mu$ l

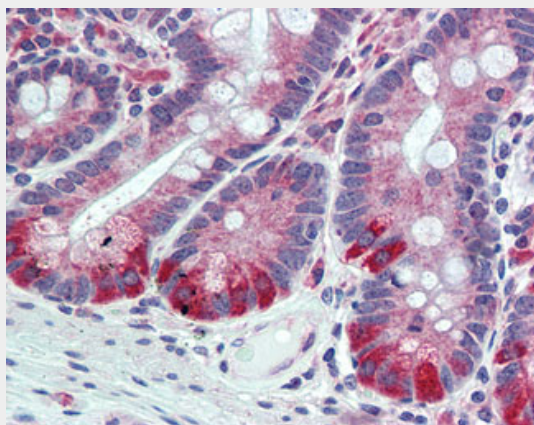
**ESYT1 Antibody (Internal) - Protocols**

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**

Anti-ESYT1 / FAM62A antibody ALS11120 IHC of human thyroid.



Anti-ESYT1 / FAM62A antibody ALS11120 IHC of human small intestine.

**ESYT1 Antibody (Internal) - Background**

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**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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