



## Rabbit Anti-ESYT1 antibody

SL11002R

<b>Product Name:</b>	ESYT1
<b>Chinese Name:</b>	延伸突触蛋白1抗体
<b>Alias:</b>	Extended synaptotagmin 1; KIAA0747; E Syt1; E-Syt1; Esyt1; ESYT1_HUMAN; Extended synaptotagmin like protein 1; Extended synaptotagmin-1; Family with sequence similarity 62 (C2 domain containing) member A; Family with sequence similarity 62 member A; MBC2; Membrane bound C2 domain containing protein; Membrane-bound C2 domain-containing protein; Protein FAM62A.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Monkey,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	123kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ESYT1/FAM62A:651-750/1104
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12 including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan

syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms varying in severity depending on the extent of mosaicism and is most severe in cases of complete trisomy. The FAM62A gene product has been provisionally designated FAM62A pending further characterization.

**Function:**

May play a role as calcium-regulated intrinsic membrane protein.

**Subcellular Location:**

Membrane. Localizes to intracellular membranes.

**Tissue Specificity:**

Widely expressed.

**Similarity:**

Belongs to the extended synaptotagmin family.  
Contains 5 C2 domains.

**SWISS:**

Q9BSJ8

**Gene ID:**

23344

**Database links:**

[Entrez Gene: 23344](#) Human

[Entrez Gene: 520669](#) Cow

[Entrez Gene: 100051975](#) Horse

[Entrez Gene: 23943](#) Mouse

[Entrez Gene: 100343457](#) Rabbit

[Entrez Gene: 29579](#) Rat

[SwissProt: Q9BSJ8](#) Human

[SwissProt: Q3U7R1](#) Mouse

[SwissProt: Q5RAG2](#) Orangutan

[SwissProt: Q9Z1X1](#) Rat

[Unigene: 632729](#) Human

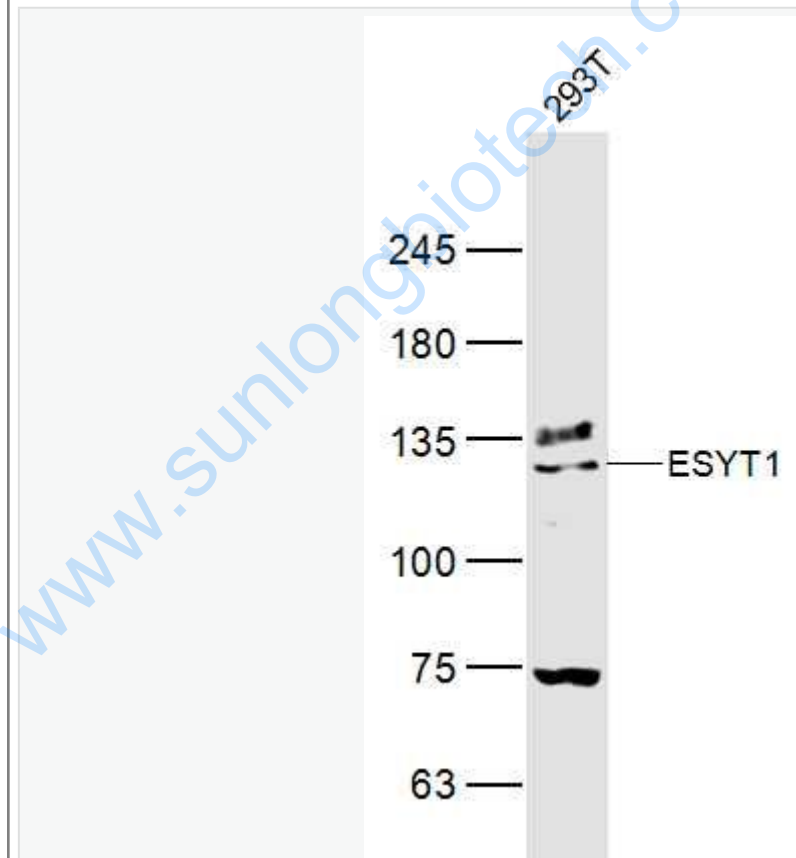
[Unigene: 66056](#) Mouse

[Unigene: 11636](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

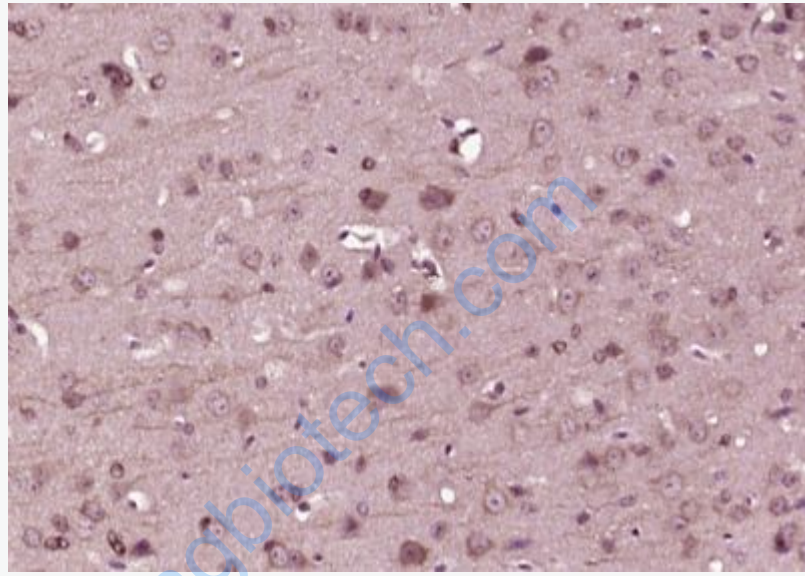
293T(Human) Cell Lysate at 40 ug

Primary: Anti-ESYT1 (SL11002R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 123 kD

Observed band size: 123 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ESYT1) Polyclonal Antibody, Unconjugated (SL11002R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.