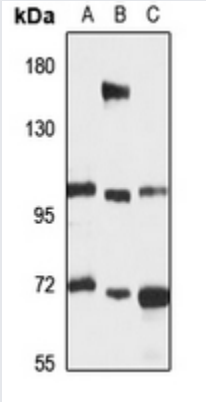
E-Syt2 (ESYT2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	E-Syt2 (ESYT2), Polyclonal Antibody
Full Product Name	Anti-E-Syt2 Antibody
Product Gene Name	anti-ESYT2 antibody
Product Synonym Names	FAM62B; KIAA1228; Extended synaptotagmin-2; E-Syt2; Chr2Syt
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of E-Syt2 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	104,708 Da
3D Structure	ModBase 3D Structure for A0FGR8
Immunogen	Recombinant fusion protein of human E-Syt2. The exact sequence is proprietary.
Applications Tested/Suitable for anti-ESYT2 antibody	Western Blot (WB)
Application Notes for anti-ESYT2 antibody	WB: 1:500-1:2000
Related Product Information for anti-ESYT2 antibody	MBS8306605 is an antibody targeting ESYT2. Also known as Anti-E-Syt2 Antibody. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to E-Syt2
Other Notes	Small volumes of anti-ESYT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ESYT2 antibody
Western blot analysis of E-Syt2 expression in HT29 (A), mouse liver (B), mouse kidney (C) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ESYT2. It may not necessarily be applicable to this product.

NCBI GI #	45387945
NCBI GeneID	57488
NCBI Accession #	NP_065779.1
UniProt Primary Accession #	A0FGR8
UniProt Secondary Accession #	Q3TZZ7
UniProt Related Accession #	A0FGR8
GenBank Nucleotide #	NM_020728.2
NCBI Official Full Name	extended synaptotagmin-2
NCBI Official Synonym Full Names	extended synaptotagmin-like protein 2
NCBI Official Symbol	ESYT2
NCBI Official Synonym Symbols	E-Syt2; FAM62B; CHR2SYT
UniProt Protein Name	Extended synaptotagmin-2
UniProt Synonym Protein Names	Chr2Syt
Protein Family	Extended synaptotagmin
UniProt Gene Name	ESYT2
UniProt Synonym Gene Names	FAM62B; KIAA1228; E-Syt2
UniProt Entry Name	ESYT2_HUMAN
NCBI Protein Information	extended synaptotagmin-2; chr2 synaptotagmin; family with sequence similarity 62 (C2 domain containing), member B
UniProt Comments for ESYT2	ESYT2: May play a role as calcium-regulated intrinsic membrane protein. Belongs to the extended synaptotagmin family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 7q36.3 Cellular Component: intrinsic to endoplasmic reticulum membrane; extrinsic to internal side of plasma membrane; membrane; integral to plasma membrane Molecular Function: identical protein binding; protein binding; phosphatidylethanolamine binding; calcium-dependent phospholipid binding; phosphatidylcholine binding; calcium ion binding; phosphoinositide binding Biological Process: endocytosis; lipid transport
Research Articles on ESYT2	**1.** 2.44 A resolution the crystal structure of a fragment of extended synaptotagmin 2, including an SMP domain and two adjacent C2 domains; evidence for a role of SMP-domain-containing proteins in the control of lipid transfer at membrane contact sites
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