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SYBL1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55002

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	P51809
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24935
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SYBL1
Epitope Specificity	1-100/220
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic vesicle > secretory vesicle membrane. Golgi apparatus > trans-Golgi network membrane. Late endosome membrane. Lysosome membrane. Endoplasmic reticulum membrane. Cytoplasmic vesicle > phagosome membrane.
SIMILARITY	Belongs to the synaptobrevin family. Contains 1 longin domain. Contains 1 v-SNARE coiled-coil homology domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	FLJ53045; FLJ53762; FLJ54296; HGNC:11486; OTTHUMP00000024258; OTTHUMP00000024259; OTTHUMP00000225953; SYBL 1; SYBL1; Synaptobrevin like 1; Synaptobrevin-like protein 1; Tetanus insensitive VAMP; Tetanus neurotoxin insensitive VAMP; Tetanus-insensitive VAMP; TI VAMP; Ti-VAMP; TIVAMP; VAMP-7; VAMP7; VAMP7_HUMAN

Additional Information

Gene ID	6845
Other Names	Vesicle-associated membrane protein 7, VAMP-7, Synaptobrevin-like protein 1, Tetanus-insensitive VAMP, Ti-VAMP, VAMP7, SYBL1
Target/Specificity	Detected in all tissues tested.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name VAMP7

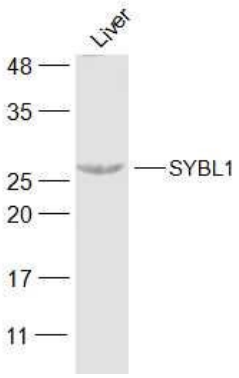
Synonyms SYBL1

Function Involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during phagosome formation.

Cellular Location Cytoplasmic vesicle, secretory vesicle membrane; Single-pass type IV membrane protein Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein. Late endosome membrane; Single-pass type IV membrane protein Lysosome membrane; Single-pass type IV membrane protein. Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Cytoplasmic vesicle, phagosome membrane; Single-pass type IV membrane protein. Synapse, synaptosome. Note=In immature neurons expression is localized in vesicular structures in axons and dendrites while in mature neurons it is localized to the somatodendritic region Colocalizes with LAMP1 in kidney cells. Localization to the endoplasmic reticulum membrane was observed in the intestine but not in liver or kidney (By similarity).

Tissue Location Detected in all tissues tested.

Images



Sample:
Liver (Mouse) Lysate at 40 ug
Primary: Anti-SYBL1 (AP55002) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25 kD
Observed band size: 26 kD