SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Unc18-3 antibody

Catalog Number: SL6462R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Unc18-3
Immunogen:	KLH conjugated synthetic peptide derived from human Unc18-3: 165-260/592
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:50-200 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Rabbit)
Predicted MW.:	68kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	May participate in the regulation of synaptic vesicle docking and fusion, possibly through interaction with GTP-binding proteins. Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. May play a role in determining the specificity of intracellular fusion reactions. **Function:** Together with STX4 and VAMP2, may play a role in insulin-dependent movement of GLUT4 and in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes (By similarity). **Subunit:** Interacts with DOC2B; the interaction is direct, occurs at the cell membrane, excludes interaction with STX4 and regulates glucose-stimulated insulin secretion (By similarity). Interacts with STX4.

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

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	Subcellular Location: Cytoplasm, cytosol. Cell membrane. **Tissue Specificity:** Megakaryocytes and platelets. **Similarity:** Belongs to the STXBP/unc-18/SEC1 family. **Database links:** **Entrez Gene:** 6814 Human Omim: 608339 Human **SwissProt:** O00186 Human **Unigene:** 530436 Human

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