SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-Syntaxin 12 antibody

Catalog Number: SL14443R

FOR RESEARCH USE ONLY

[DATASHEET]

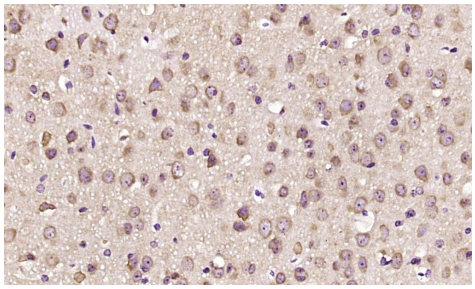
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Syntaxin 12
Immunogen:	KLH conjugated synthetic peptide derived from human Syntaxin 12: 201-300/376
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped 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=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Chicken,Dog,Pig,Cow,Rabbit,Sheep)
Predicted MW.:	31kDa
Subcellular Location:	The cell membrane
Background:	Syntaxins, a family of proteins involved in the fusion of synaptic vesicles with the plasma membrane, display broad tissue distribution and contain C-terminal hydrophobic domains that direct them to their respective intracellular compartments. Syntaxin 12, also known as STX12, STX13 or STX14, is a 276 amino acid single-pass membrane protein that contains one t-SNARE coiled-coil homology domain and belongs to the Syntaxin family. Syntaxin 12 regulates protein transport between late endosomes and the trans-Golgi network and interacts with ABC1 (ATP-binding cassette transporter A1), a protein that facilitates cellular release of choline-phospholipids and cholesterol to apoA-I (apolipoprotein A-I). Found in recycling endosomes, Syntaxin 12 colocalizes with transferrin receptor and is encoded by a gene located on human chromosome 1.

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

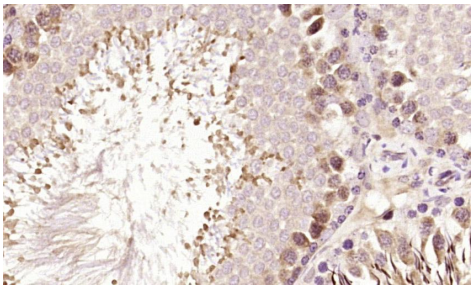
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	Function: SNARE that acts to regulate protein transport between late endosomes and the trans-Golgi network. **Subcellular Location:** Membrane. Golgi apparatus > trans-Golgi network membrane. **Similarity:** Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain. **Database links:** **Entrez Gene:** 100226 Mouse **Entrez Gene:** 65033 Rat **SwissProt:** Q9ER00 Mouse **SwissProt:** Q86Y82 Human **Unigene:** 28237 Mouse **Unigene:** 54570 Rat

[VALIDATION IMAGES]



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 (Syntaxin 12) Polyclonal Antibody, Unconjugated (SL14443R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



araformaldehyde-fixed, paraffin embedded (rat testis); 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 (Syntaxin 12) Polyclonal Antibody, Unconjugated (SL14443R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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