SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-RAB11A&RAB11B Monoclonal Antibody

Catalog Number: SLA1031M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	2A9
GeneID:	8766
SWISS:	P62491
Target:	RAB11A&RAB11B
Immunogen:	KLH conjugated synthetic peptide derived from human RAB11A
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℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) ELISA (1:5000-10000) IP (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	24 kDa
Subcellular Location:	Cytoplasm
Background:	Rab proteins are low-molecular-weight GTP-binding proteins that form the largest branch of the Ras superfamily of GTPases. Located on the cytoplasmic face of organelles and vesicles, rab proteins are involved in intracellular membrane fusion reactions. Three membrane proteins, synaptosomal associated protein of 25 kDa (SNAP-25), synaptobrevin, and syntaxin, form the core of a ubiquitous membrane fusion machine that interacts with the

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	soluble proteins N-ethylmaleimide-sensitive factor (NSF) and a-SNAP. Rab proteins, in coordination with the core fusion machinery and Munc-18, help to mediate vesicle docking and fusion. There are over 40 Rab proteins in mammals. Rab11a and Rab11b are known markers for protein trafficking, sorting, and recycling in the endosomal pathway. The Rab11 proteins are enriched in recycling endosomes and the trans-Golgi network, where they regulate membrane recycling back to the plasma membrane. Rab11a is ubiquitously expressed, while Rab11b is expressed mainly in the heart and brain.

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