SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-RABGAP1/Cy3 Conjugated antibody

Catalog Number: SL7826R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-RABGAP1/Cy3
Immunogen:	KLH conjugated synthetic peptide derived from human RABGAP1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Dog,Pig,Cow,Sheep)
Background:	background: Rab GTPase-activating protein 1 is a 1,069 amino acid cytoplasmic protein containing one PID domain and one Rab-GAP TBC domain. Rab GAP1 acts as a GTPase-activating protein of Rab 6A in the Rab 6A-mediated pathway, which is involved in the metaphase-anaphase transition. Expressed as four alternatively spliced variants, Rab GAP1 may also be involved in the microtubule nucleation by centrosome and in Golgi dynamics during the cell cycle. Rab GAP1 is encoded by a gene located on human chromosome 9, which consists of about 145 million bases, 4% of the human genome and encodes nearly 900 genes. **Function:** May act as a GTPase-activating protein of RAB6A. Mayplay a role in microtubule nucleation by centrosome. Mayparticipate in a RAB6A-mediated pathway involved in themetaphase-anaphase transition. **Subunit:** Interacts with RAB6A and tubulin gamma. **Subcellular Location:** Cytoplasm, cytosol. Cytoplasm, cytoskeleton,centrosome. Note=Predominantly cytosolic but also associated

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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	withthe centrosome. **Similarity:** Contains 1 PID domain. Contains 1 Rab-GAP TBC domain. **Database links:** **Entrez Gene:** 519260 Cow **Entrez Gene:** 23637 Human **Entrez Gene:** 227800 Mouse **Entrez Gene:** 311911 Rat **SwissProt:** Q9Y3P9 Human **SwissProt:** A2AWA9 Mouse **Unigene:** 271341 Human **Unigene:** 383192 Mouse **Unigene:** 14944 Rat 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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