

Rabbit Anti-RABGAP1/Cy5 Conjugated antibody

SL7826R-Cy5

Product Name	Anti-RABGAP1/Cy5
Chinese Name	Cy5 标记的 Rab 蛋白 GTP 酶激活蛋白 1 抗体
Alias	Rab GTPase-activating protein 1; Rab GAP1, GAP and centrosome associated protein; HSPC094; Rab GTPase activating protein 1; Rab6 GTPase activating protein GAPCenA; RBGP1_HUMAN.
Research Area	Cell biology Signal transduction Cyclin Cell type markers G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Chicken,Dog,Pig,Cow,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	122kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human RABGAP1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	
Product Detail	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. May play a role in microtubule nucleation by centrosome. May participate in a RAB6A-mediated pathway involved in the metaphase-anaphase transition.

Subunit:

Interacts with RAB6A and tubulin gamma.

Subcellular Location:

Cytoplasm, cytosol. Cytoplasm, cytoskeleton, centrosome.

Note=Predominantly cytosolic but also associated with the 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.