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RABGAP1 Rabbit pAb

Catalog # AP99714

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9Y3P9
Other Accession	Q9Y3P9
Reactivity	Mouse
Predicted	Rat, Pig, Human, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	121737
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RABGAP1
Epitope Specificity	901-1000/1069
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 PID domain. Contains 1 Rab-GAP TBC domain.
SUBUNIT	Interacts with RAB6A and tubulin gamma.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	23637
Other Names	GAPCENA; TBC1D11; mKIAA4104; RBGP1_HUMAN; RABGAP1; GAP and centrosome-associated protein; Rab6 GTPase-activating protein GAPCenA; RBGP1_MOUSE; Kiaa4104; RAB GTPase activating protein 1; rab6 GTPase activating protein (GAP and centrosome-associated); TBC1 domain family, member 11
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RABGAP1
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.
Cellular Location	Cytoplasm, cytosol. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Predominantly cytosolic but also associated with the centrosome.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.