

GCC2 Rabbit pAb

Catalog # AP99299

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q8IWJ2
Other Accession	Q8IWJ2
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	195910
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GCC2
Epitope Specificity	1001-1100/1684
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 GRIP domain.
SUBUNIT	Homodimer. Interacts (via GRIP domain) with RAB6A (preferentially in its GTP-bound form). May interact (RAB6A-dependent) with ARL1; according to PubMed:19703403, RAB6A and ARL1 are not involved in GCC2 Golgi localization as proposed by PubMed:18243103. Interacts (probably via GRIP domain) with RAB9A (preferentially in its GTP-bound form). Interacts with CLASP1 and CLASP2; recruits both proteins to membranes of the TGN. Interacts with STX16. [INTERACTION] Self; NbExp=2; IntAct=EBI-1645335, EBI-1645335; P20340:RAB6A; NbExp=4; IntAct=EBI-1645335, EBI-1052826.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Golgin which probably tethers transport vesicles to the trans-Golgi network (TGN) and regulates vesicular transport between the endosomes and the Golgi. As a RAB9A effector it is involved in recycling of the mannose 6-phosphate receptor from the late endosomes to the TGN. May also play a role in transport between the recycling endosomes and the Golgi. Required for maintenance of the Golgi structure, it is involved in the biogenesis of noncentrosomal, Golgi-associated microtubules through recruitment of CLASP1 and CLASP2.

Additional Information

Gene ID	9648
Other Names	GCC2_HUMAN; GCC2; 185 kDa Golgi coiled-coil protein (GCC185); CLL-associated antigen KW-11; CTCL tumor antigen se1-1; Ran-binding protein 2-like 4 (RanBP2L4); Renal carcinoma antigen NY-REN-53; KIAA0336; RANBP2L4; GCC2_MOUSE; GRIP and coiled-coil domain containing 2; GRIP and coiled-coil domain-containing 2

Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	GCC2
Synonyms	KIAA0336, RANBP2L4
Function	Golgin which probably tethers transport vesicles to the trans-Golgi network (TGN) and regulates vesicular transport between the endosomes and the Golgi. As a RAB9A effector it is involved in recycling of the mannose 6-phosphate receptor from the late endosomes to the TGN. May also play a role in transport between the recycling endosomes and the Golgi. Required for maintenance of the Golgi structure, it is involved in the biogenesis of noncentrosomal, Golgi- associated microtubules through recruitment of CLASP1 and CLASP2.
Cellular Location	Cytoplasm. Golgi apparatus, trans-Golgi network membrane; Peripheral membrane protein
Tissue Location	Ubiquitous..

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