

GCC2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10197b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8IWJ2
Other Accession	O14715 , Q99666 , D3ZZL9 , Q8CHG3 , NP_852118.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24093
Calculated MW	195910
Antigen Region	1581-1609

Additional Information

Gene ID	9648
Other Names	GRIP and coiled-coil domain-containing protein 2, 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, GCC2, KIAA0336, RANBP2L4
Target/Specificity	This GCC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1581-1609 amino acids from the C-terminal region of human GCC2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GCC2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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..

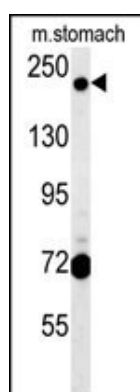
Background

The protein encoded by this gene is a peripheral membrane protein localized to the trans-Golgi network. It is sensitive to brefeldin A. This encoded protein contains a GRIP domain which is thought to be used in targeting. Alternative splicing results in multiple transcript variants.

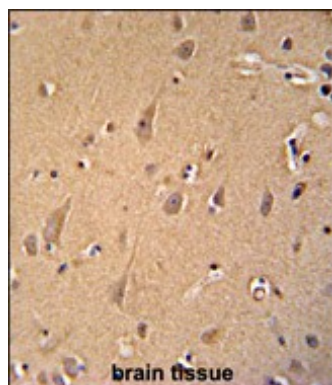
References

Houghton, F.J., et al. Cell 138(4):787-794(2009)
 Hayes, G.L., et al. Mol. Biol. Cell 20(1):209-217(2009)
 Burguete, A.S., et al. Cell 132(2):286-298(2008)
 Efimov, A., et al. Dev. Cell 12(6):917-930(2007)
 Derby, M.C., et al. Traffic 8(6):758-773(2007)

Images



GCC2 Antibody (C-term) (Cat. #AP10197b) western blot analysis in mouse stomach tissue lysates (15ug/lane). This demonstrates the GCC2 antibody detected GCC2 protein (arrow).



GCC2 antibody (C-term) (Cat. #AP10197b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GCC2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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