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CHML Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20592c

Product Information

Application	WB, FC, IHC-P, E
Primary Accession	P26374
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB47985
Calculated MW	74071

Additional Information

Gene ID	1122
Other Names	Rab proteins geranylgeranyltransferase component A 2, Choroideremia-like protein, Rab escort protein 2, REP-2, CHML, REP2
Target/Specificity	This CHML antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 624-656 amino acids from the C-terminal region of human CHML.
Dilution	WB~~1:1000 FC~~1:25 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	CHML Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHML
Synonyms	REP2
Function	Substrate-binding subunit (component A) of the Rab geranylgeranyltransferase (GGTase) complex. Binds unprenylated Rab

proteins and presents the substrate peptide to the catalytic component B. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Less effective than CHM in supporting prenylation of Rab3 family.

Cellular Location Cytoplasm, cytosol.

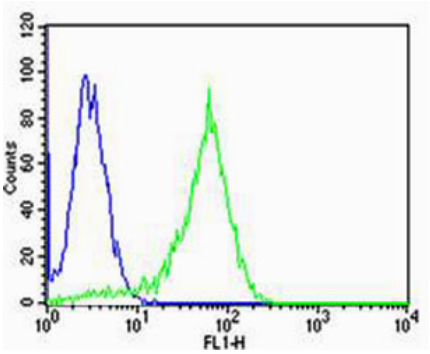
Background

Substrate-binding subunit (component A) of the Rab geranylgeranyltransferase (GGTase) complex. Binds unprenylated Rab proteins and presents the substrate peptide to the catalytic component B. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Less effective than CHM in supporting prenylation of Rab3 family.

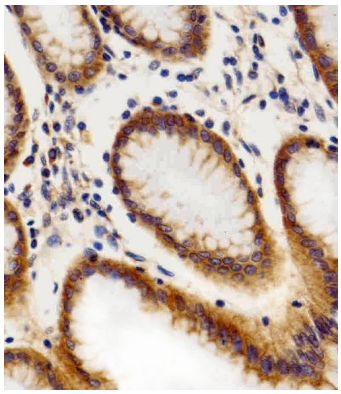
References

Cremers F.P.M.,et al.Hum. Mol. Genet. 1:71-75(1992).
Kasper G.,et al.Gene 295:27-32(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images

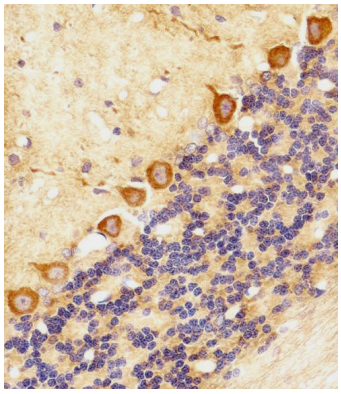


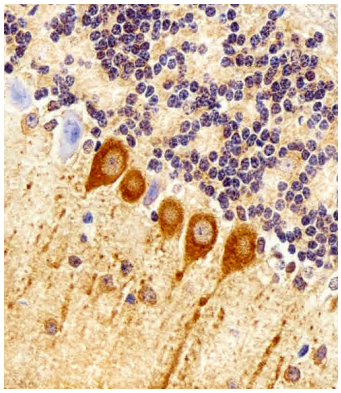
Flow cytometric analysis of Hela cells using CHML Antibody (C-term)(green, Cat#AP20592c) compared to an isotype control of rabbit IgG(blue). AP20592c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody.



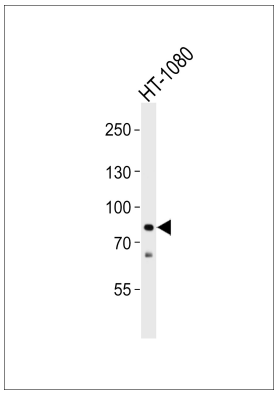
Immunohistochemical analysis of paraffin-embedded H. stomach section using CHML Antibody (C-term)(Cat#AP20592c). AP20592c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

Immunohistochemical analysis of paraffin-embedded R. cerebellum section using CHML Antibody (C-term)(Cat#AP20592c). AP20592c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.





Immunohistochemical analysis of paraffin-embedded M. cerebellum section using CHML Antibody (C-term)(Cat#AP20592c). AP20592c was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Western blot analysis of lysate from HT-1080 cell line, using CHML Antibody (C-term) (Cat. #AP20592c). AP20592c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.