
Product Name: REP-2 Rabbit Polyclonal Antibody**Catalog #: APRab17021**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	85kDa

Antigen Information

Gene Name	CHML
Alternative Names	CHML; REP2; Rab proteins geranylgeranyltransferase component A 2; Choroideraemia-like protein; Rab escort protein 2; REP-2
Gene ID	1122.0
SwissProt ID	P26374
Immunogen	The antiserum was produced against synthesized peptide derived from human CHML. AA range:128-177

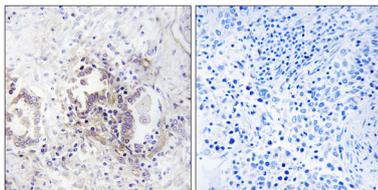
Background

The product of the CHML gene supports geranylgeranylation of most Rab proteins and may substitute for REP-1 in tissues other than retina. CHML is localized close to the gene for Usher syndrome type II. [provided by RefSeq, Jul 2008],function: Binds unprenylated Rab proteins, presents it to the catalytic Rab GGTase dimer, and remains bound to it after the geranylgeranyl transfer reaction. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Less effective than REP-1 in supporting prenylation of Rab3 family.,miscellaneous: Substitutes for REP-1 thereby preventing widespread tissue abnormalities in patients with choroideremia who lack REP-1.,similarity: Belongs to the Rab GDI family.,subunit: Monomer. Interacts with Rab and Rab GGTase.,

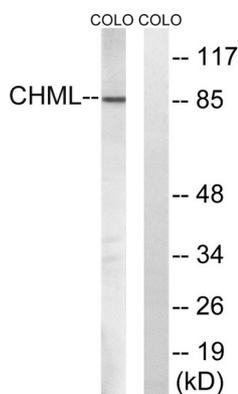
Research Area

Neuroscience; Neurotransmission; Secretory Vesicles; Rabs; Signal Transduction; Protein Trafficking; Vesicle Transport; Regulation

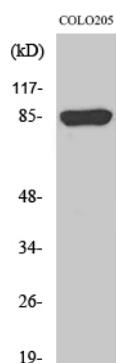
Image Data



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using CHML Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using CHML Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using REP-2 Polyclonal Antibody diluted at 1:1000