Best Tools for immunology Research

REP-2 Polyclonal Antibody

Catalog No :	YT4050
Reactivity :	Human
Applications :	WB;IHC;IF;ELISA
Target :	REP-2
Gene Name :	CHML
Protein Name :	Rab proteins geranylgeranyltransferase component A 2
Human Gene Id :	1122
Human Swiss Prot No :	P26374
Mouse Swiss Prot No :	Q9QZD5
Immunogen :	The antiserum was produced against synthesized peptide derived from human CHML. AA range:128-177
Specificity :	REP-2 Polyclonal Antibody detects endogenous levels of REP-2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	85kD

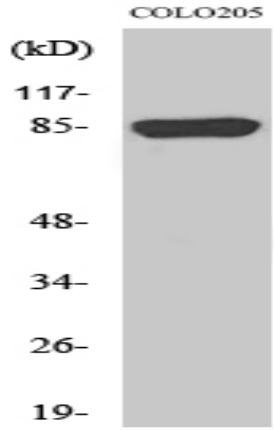
Background : The product of the CHML gene supports geranylgeranylation of most Rab proteins and may substitute for REP-1 in tissues other than retina. CHML is localized close to the gene for Usher syndrome type II. [provided by RefSeq, Jul 2008],

Function : 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.,

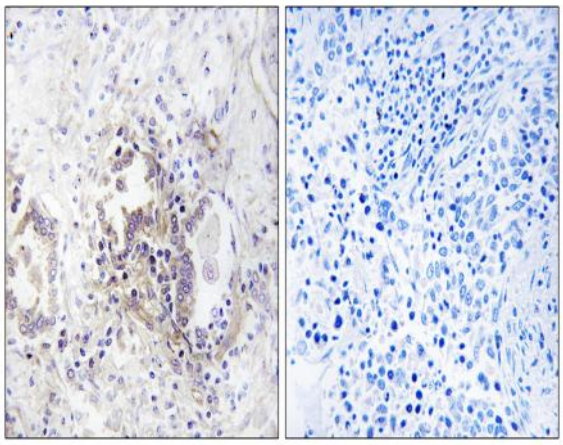
Subcellular Location : Cytoplasm, cytosol .

Expression : Brain,

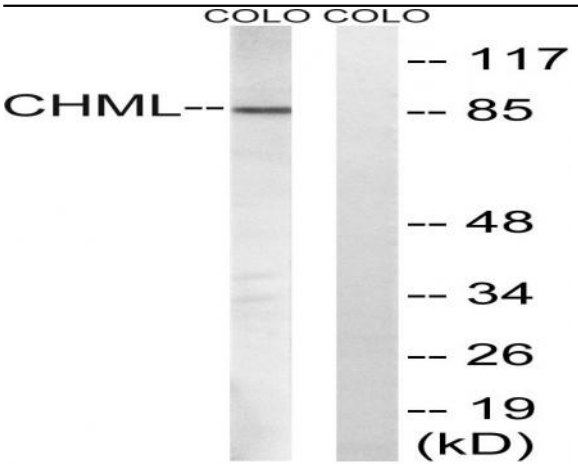
Products Images



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



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.