

## REP-2 Polyclonal Antibody

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

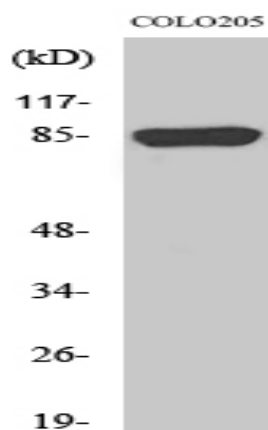
**Background :** The product of the CHML gene supports geranylgeranylation of most Rab proteins and may substitute for REP-1 in tissues other than retina. CHML is localized close to the gene for Usher syndrome type II. [provided by RefSeq, Jul 2008],

**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.,

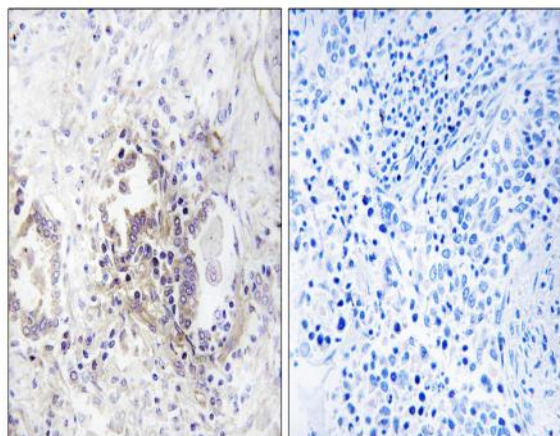
**Subcellular Location :** Cytoplasm, cytosol .

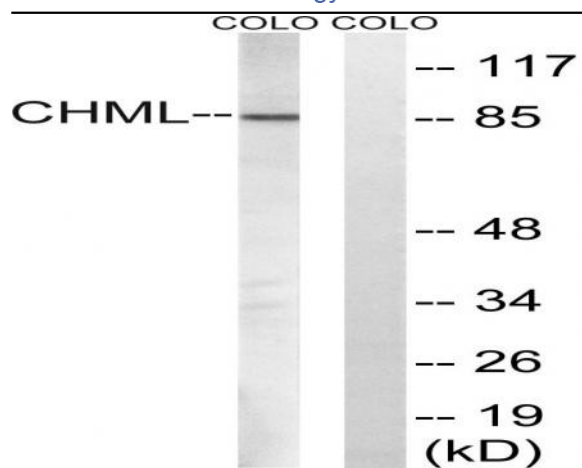
**Expression :** Brain,

## Products Images



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





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