



REP-2 Polyclonal Antibody

Catalog No	YP-Ab-16233
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	CHML
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CHM like;Chml;Choroideraemia like protein;Choroideraemia-like protein; Choroideremia like (Rab escort protein 2);Choroideremia like;Choroideremia like protein;Rab escort protein 2;Rab proteins geranylgeranyltransferase component A 2;RAE2_HUMAN;REP 2;REP-2;REP2
Observed Band	85kD
Calculated Molecular Weight	85kD
Cell Pathway	Cytoplasm, cytosol .
Tissue Specificity	Brain,
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.,



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],

matters needing attention

Avoid repeated freezing and thawing!

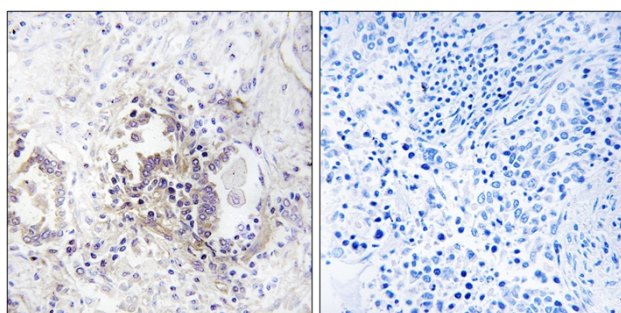
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.