

Rabbit anti-Human, Mouse CHML Polyclonal Antibody | anti-CHML antibody

CHML Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325023	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CHML; Polyclonal Antibody; CHML Antibody; 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; anti-CHML antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CHML antibody detects endogenous levels of total CHML
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	656
Applicable Applications for anti-CHML antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytosol
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from COLO cells, using CHML antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA325023 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293, using CHML Antibody. Lane 1 was treated with the blocking peptide.



IHC (Immunohistochemistry)

AAA325023 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CHML antibody

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.

Subunit Structure: Monomer. Heterotrimer composed of RABGGTA, RABGGTB and CHML; within this trimer, RABGGTA and RABGGTB form the catalytic component B, while CHML (component A) mediates Rab protein binding. Interacts with RAB1A, RAB7A and RAB27A, but has much lower affinity for RAB1A, RAB7A and RAB27A than CHM.

Similarity: Belongs to the Rab GDI family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53832014
NCBI GeneID	1122
NCBI Accession #	NP_001812.2
NCBI GenBank Nucleotide #	NM_001821.3
UniProt Accession #	P26374; Q17RE0; Q9H1Y4; B2RAB9
Molecular Weight	Observed: 85 kD Predicted: 75 kDa
NCBI Official Full Name	rab proteins geranylgeranyltransferase component A 2
NCBI Official Synonym Full Names	CHM like, Rab escort protein 2
NCBI Official Symbol	CHML
NCBI Official Synonym Symbols	REP2
NCBI Protein Information	rab proteins geranylgeranyltransferase component A 2
UniProt Protein Name	Rab proteins geranylgeranyltransferase component A 2
UniProt Gene Name	CHML
UniProt Synonym Gene Names	REP2; REP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chml-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/325023>