10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHML Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5373

Specification

CHML Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P26374
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=74 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

CHML Antibody (C-term) - Additional Information

Gene ID 1122

Antigen Region
624-656

Other Names
Rab proteins geranylgeranyltransferase component A 2, Choroideremia-like protein, Rab escort protein 2, REP-2, CHML, REP2

Dilution
WB~~1:1000
IHC-P~~1:25
FC~~1:25

Target/Specificity
This CHML antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 624-656 amino acids from the C-terminal region of human CHML.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CHML Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CHML Antibody (C-term) - Protein Information

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Name CHML

Synonyms REP2

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.

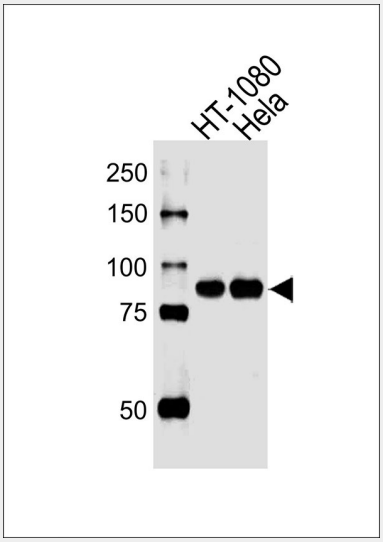
Cellular Location
Cytoplasm, cytosol.

CHML Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

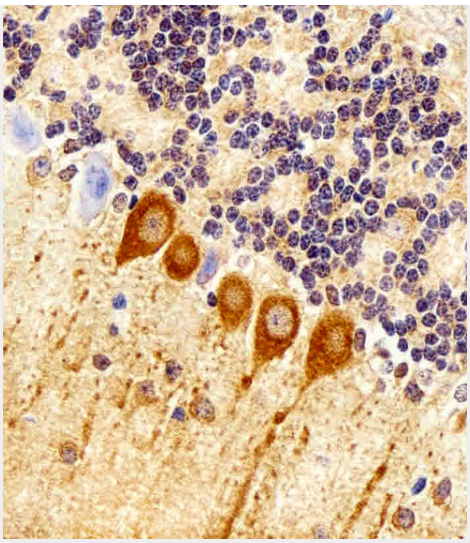
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHML Antibody (C-term) - Images

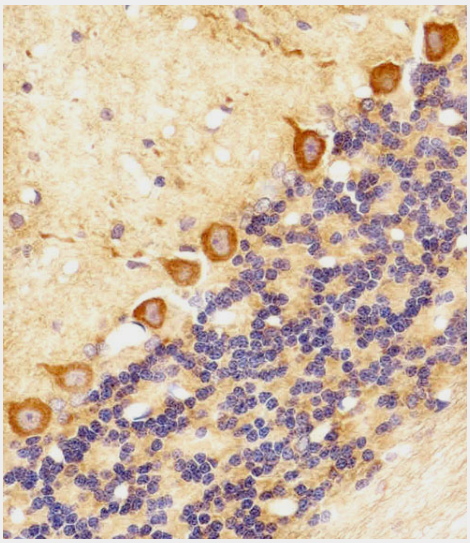


All lanes : Anti-CHML Antibody (C-term) at 1/1000 dilution Lane 1: HT-1080 whole cell lysates Lane 2: Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 74 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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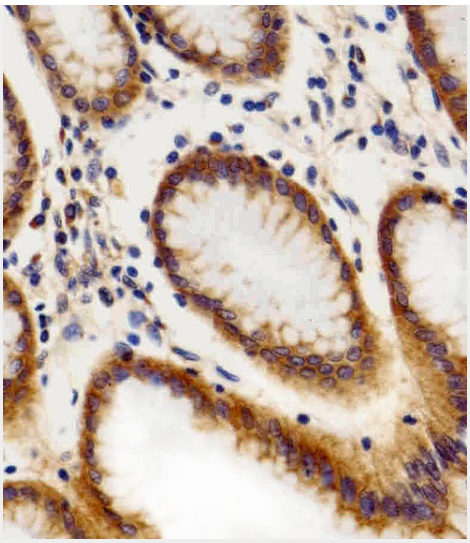


Immunohistochemical analysis of paraffin-embedded M. cerebellum section using CHML Antibody (C-term)(Cat#AW5373). AW5373 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

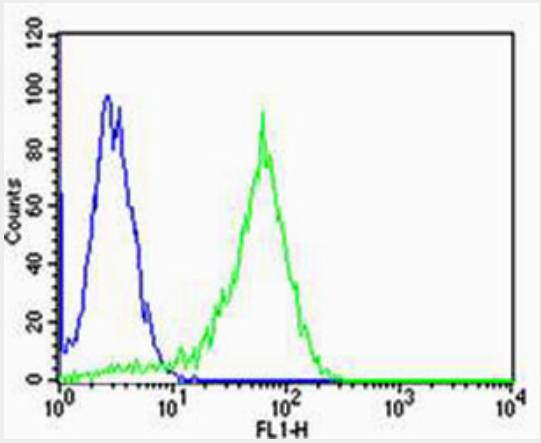


Immunohistochemical analysis of paraffin-embedded R. cerebellum section using CHML Antibody (C-term)(Cat#AW5373). AW5373 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

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Immunohistochemical analysis of paraffin-embedded H. stomach section using CHML Antibody (C-term)(Cat#AW5373). AW5373 was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow cytometric analysis of Hela cells using CHML Antibody (C-term)(green, Cat#AW5373) compared to an isotype control of rabbit IgG(blue). AW5373 was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.

CHML Antibody (C-term) - Background

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.

CHML Antibody (C-term) - References

Cremers F.P.M.,et al.Hum. Mol. Genet. 1:71-75(1992).
Kasper G.,et al.Gene 295:27-32(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.