

For Research Use Only

CHMP1A Polyclonal antibody

Catalog Number: 15761-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

15761-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8389

GenBank Accession Number:

BC007527

GeneID (NCBI):

5119

UNIPROT ID:

Q9HD42

Full Name:

chromatin modifying protein 1A

Calculated MW:

196 aa, 22 kDa

Observed MW:

33 kDa, 25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB: HEK-293 cells, mouse lung tissue, HeLa cells, A431 cells, mouse kidney tissue

IP: HEK-293 cells,

IHC: mouse brain tissue, human lung tissue, mouse testis tissue, human skin tissue

IF/ICC: HepG2 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Charged multivesicular body protein 1A (CHMP1A), also known as chromatin modifying protein 1A, is a member of the ESCRT-III (endosomal sorting complex required for transport III) complex which is involved in degradation of internalized transmembrane receptor proteins and formation of multivesicular bodies (MVBs) (PMID: 16730941). CHMP1A has both nuclear and cytoplasmic distributions (PMID: 11559748; 11559747). Subcellular localization of CHMP1A seems to vary depending on the cell type (PMID: 23023333). CHMP1A is required for MVBs formation and has a role in stable gene silencing within the nucleus. Besides, the tumor suppressor role of CHMP1A has also been reported (PMID: 18787405; 22261332).

Notable Publications

Author	Pubmed ID	Journal	Application
Na Sun	31894018	Biochem Biophys Res Commun	WB
Yuting Guan	34426578	Nat Commun	WB,IF
Vincent Mercier	32753669	Nat Cell Biol	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

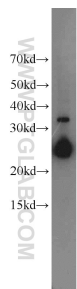
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

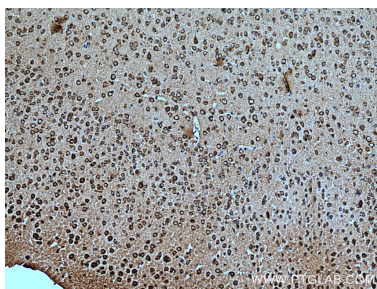
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

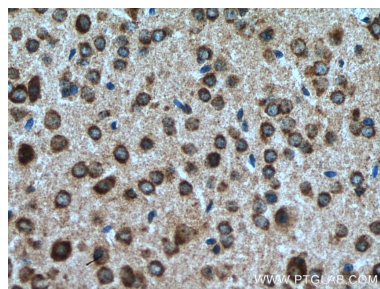
Selected Validation Data



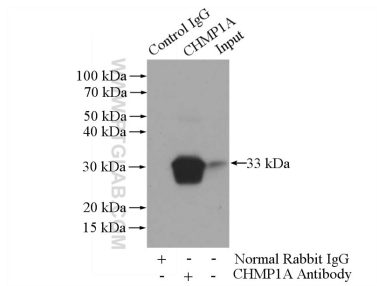
HEK-293 cells were subjected to SDS PAGE followed by western blot with 15761-1-AP (CHMP1A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



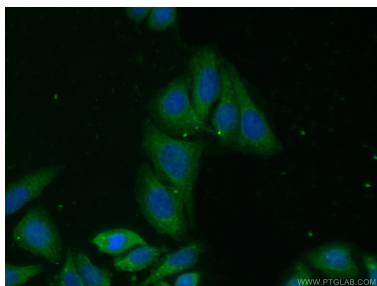
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15761-1-AP (CHMP1A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15761-1-AP (CHMP1A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CHMP1A (IP:15761-1-AP, 3ug; Detection:15761-1-AP 1:500) with HEK-293 cells lysate 880ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 15761-1-AP (CHMP1A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).