For Research Use Only

AP3D1 Polyclonal antibody

Catalog Number:16454-1-AP 3 Publications

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Basic Information

Catalog Number:
16454-1-AP

Size:
150ul , Concentration: 600 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9390

GenBank Accession Number:
BC010065

GeneID (NCBI):
8943

UNIPROT ID:
O14617

Full Name:
adaptor-related protein complex 3, delta 1 subunit

Calculated MW:
1153 aa, 130 kDa

Observed MW:
110 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
mouse, rat

Positive Controls:

WB : Jurkat cells, HeLa cells, NIH/3T3 cells, HepG2 cells

IF/ICC : MCF-7 cells,

Background Information

Adaptor protein (AP) complexes are cytosolic heterotetramers that mediate the sorting of membrane proteins in the secretory and endocytic pathways. AP3D1 is a subunit of the AP-3 complex which is composed of two large adaptins (AP3D1 and AP3B1 or AP3B2), a medium adaptin (AP3M1 or AP3M2) and a small adaptin (APS1 or AP3S2). AP-3 complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes.

Notable Publications

Author	Pubmed ID	Journal	Application
Elaine Zayas Marcelino da Silva	28273137	PLoS One	IF
Wan Du	33627378	Cancer Discov	WB,IF
Juan Yu	39126651	Cell Rep	IF

Storage

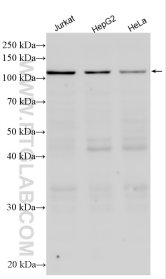
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

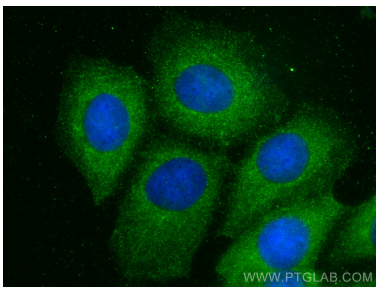
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16454-1-AP (AP3D1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using AP3D1 antibody (16454-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).