

For Research Use Only

AP3D1 Polyclonal ANTIBODY



Catalog Number: 16454-1-AP **1 Publications**

Basic Information

| | | |
|---|---|--|
| Catalog Number: 16454-1-AP | GenBank Accession Number: BC010065 | Purification Method: Antigen affinity purification |
| Size: 150UL, Concentration: 333 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 8943 | Recommended Dilutions: WB 1:500-1:1000 |
| Source: Rabbit | Full Name: adaptor-related protein complex 3, delta 1 subunit | |
| IsoType: IgG | Calculated MW: 1153 aa, 130 kDa | |
| Immunogen Catalog Number: AG9390 | Observed MW: 110 kDa | |

Applications

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|--|---|
| Tested Applications: WB, ELISA | Positive Controls: WB: HepG2 cells, HeLa cells, NIH/3T3 cells |
| Cited Applications: IF | |
| Species Specificity: human, mouse, rat | |
| Cited Species: rat | |

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 |

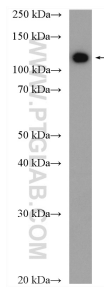
Storage

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

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)
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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 16454-1-AP (AP3D1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.