

AP1G1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13344**Specification**

AP1G1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O43747
Other Accession	NM_001128 , NP_001119
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91kDa KDa

AP1G1 antibody - C-terminal region - Additional Information**Gene ID** 164**Alias Symbol** ADTG, CLAPG1, MGC18255**Other Names**

AP-1 complex subunit gamma-1, Adaptor protein complex AP-1 subunit gamma-1, Adaptor-related protein complex 1 subunit gamma-1, Clathrin assembly protein complex 1 gamma-1 large chain, Gamma1-adaptin, Golgi adaptor HA1/AP1 adaptin subunit gamma-1, AP1G1, ADTG, CLAPG1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-AP1G1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

AP1G1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

AP1G1 antibody - C-terminal region - Protein Information**Name** AP1G1**Synonyms** ADTG, CLAPG1**Function**

Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic

tails of transmembrane cargo molecules. In association with AFTPH/aftiphilin in the aftiphilin/p200/gamma-synergin complex, involved in the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (PubMed:15758025).

Cellular Location

Golgi apparatus. Cytoplasmic vesicle, clathrin-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm Cytoplasm, perinuclear region. Cytoplasmic vesicle, clathrin-coated vesicle. Membrane, clathrin-coated pit. Note=Component of the coat surrounding the cytoplasmic face of coated vesicles located at the Golgi complex (PubMed:12773381). Co-localizes with AFTPH/aftiphilin in the cytoplasm (PubMed:15758025).

Tissue Location

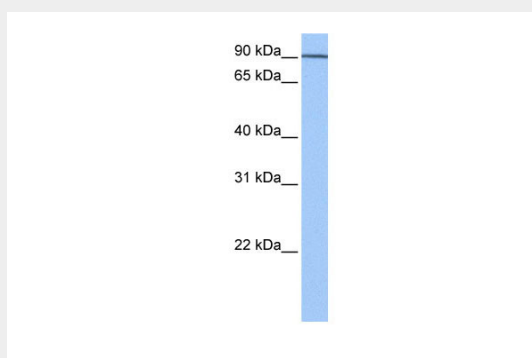
Widely expressed.

AP1G1 antibody - C-terminal region - Protocols

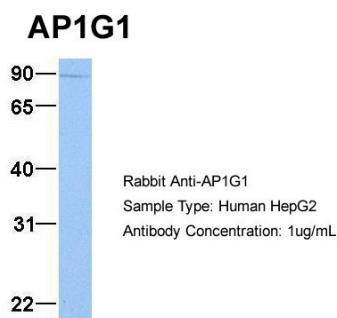
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AP1G1 antibody - C-terminal region - Images



WB Suggested Anti-AP1G1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain

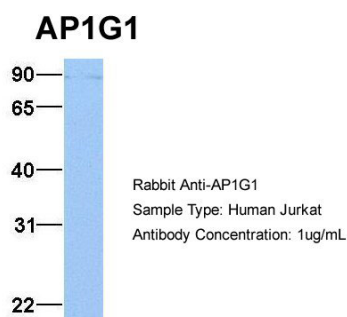


Host: Rabbit

Target Name: AP1G1

Sample Tissue: HepG2

Antibody Dilution: 1.0µg/ml AP1G1 is supported by BioGPS gene expression data to be expressed in HepG2



Host: Rabbit

Target Name: AP1G1

Sample Tissue: Jurkat

Antibody Dilution: 1.0µg/ml AP1G1 is supported by BioGPS gene expression data to be expressed in Jurkat

AP1G1 antibody - C-terminal region - References

- Peyrard M., et al. Genomics 50:275-280(1998).
Takatsu H., et al. J. Biol. Chem. 273:24693-24700(1998).
Martin J., et al. Nature 432:988-994(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Deneka M., et al. EMBO J. 22:2645-2657(2003).