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AP1G1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13344

Product Information

Application	WB
Primary Accession	O43747
Other Accession	NM_001128, NP_001119
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91351

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.

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).

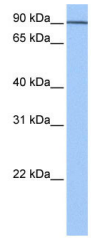
Cellular Location Golgi apparatus. Cytoplasmic vesicle, clathrin-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm Cytoplasm, perinuclear region. Cytoplasmic vesicle, clathrin-coated vesicle. Membrane, clathrin-coated pit. Note=Component of the coat surrounding the cytoplasmic 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.

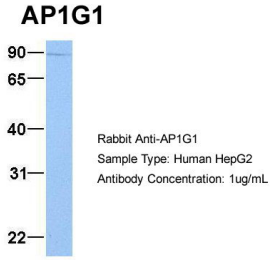
References

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).

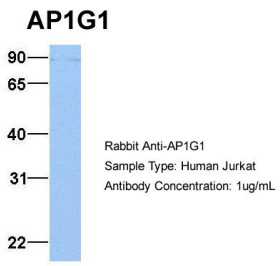
Images



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/mlAP1G1 is supported by BioGPS gene expression data to be expressed in HepG2



Host: Rabbit
Target Name: AP1G1
Sample Tissue: Jurkat
Antibody Dilution: 1.0µg/mlAP1G1 is supported by BioGPS gene expression data to be expressed in Jurkat