

KD-Validated Anti-AP1G1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1342

Product Information

Application	WB, FC, ICC
Primary Accession	O43747
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3655
Calculated MW	91351
Gene Name	AP1G1
Aliases	AP1G1; Adaptor Related Protein Complex 1 Subunit Gamma 1; Gamma1-Adaptin; CLAPG1; ADTG; Clathrin Assembly Protein Complex 1 Gamma-1 Large Chain; Adaptor Related Protein Complex 1 Gamma 1 Subunit; Golgi Adaptor HA1/AP1 Adaptin Subunit Gamma-1; Adaptor Protein Complex AP-1 Subunit Gamma-1; AP-1 Complex Subunit Gamma-1; Clathrin-Associated/Assembly/Adaptor Protein, Large, Gamma 1; Clathrin Assembly Protein Complex 1 Gamma Large Chain; Adaptor-Related Protein Complex 1, Gamma 1 Subunit; Adapter-Related Protein Complex 1 Subunit Gamma-1; Adaptor-Related Protein Complex 1 Subunit Gamma-1; Golgi Adaptor HA1/AP1 Adaptin Gamma Subunit; Testicular Tissue Protein Li 21; Gamma Adaptin; USRISD
Immunogen	A synthesized peptide derived from human AP1G1

Additional Information

Gene ID	164
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

Protein Information

Name	AP1G1 {ECO:0000303 PubMed:34102099, ECO:0000312 HGNC:HGNC:555}
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-synergisin 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.

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