

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659)
Goat Polyclonal Antibody
Catalog # ALS11308**Specification**

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) - Product Information

Application	IHC
Primary Accession	O43747
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	91kDa KDa

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) - 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

Target/Specificity

aa 646-659 of Human AP1G1.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) is for research use only and not for use in diagnostic or therapeutic procedures.

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) - 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-synerglin 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).

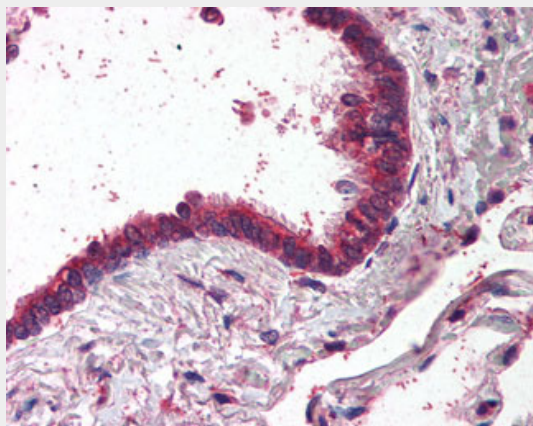
Tissue Location

Widely expressed.

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) - 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 / Adaptin Gamma 1 Antibody (aa646-659) - Images

Anti-AP1G1 / Gamma Adaptin antibody IHC of human lung, respiratory epithelium.

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) - Background

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.

AP1G1 / Adaptin Gamma 1 Antibody (aa646-659) - 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).

