

**AP1G2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13809a****Specification**

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**AP1G2 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75843</a>
Other Accession	<a href="#">NP_003908.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	87117
Antigen Region	1-30

**AP1G2 Antibody (N-term) - Additional Information****Gene ID** 8906**Other Names**

AP-1 complex subunit gamma-like 2, Gamma2-adaptin, G2ad, AP1G2

**Target/Specificity**

This AP1G2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human AP1G2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AP1G2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AP1G2 Antibody (N-term) - Protein Information****Name** AP1G2**Function** May function in protein sorting in late endosomes or multivesicular bodies (MVBs).

**Cellular Location**

Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side Cytoplasmic vesicle membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Note=Mainly localized to perinuclear vesicular structures (PubMed:9733768). Colocalizes with HBV major surface antigen L and HBV core protein C in CD63-containing compartments (PubMed:16867982). Colocalizes with HBV major surface antigen L to cis-Golgi-like structures (PubMed:11333915)

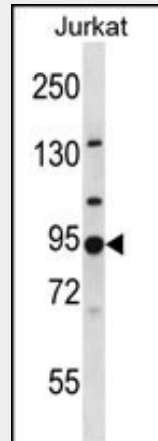
**Tissue Location**

Expressed in all but one (skeletal muscle) tissues examined

**AP1G2 Antibody (N-term) - 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](#)

**AP1G2 Antibody (N-term) - Images**

AP1G2 Antibody (N-term) (Cat. #AP13809a) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the AP1G2 antibody detected the AP1G2 protein (arrow).

**AP1G2 Antibody (N-term) - Background**

Adaptins are important components of clathrin-coated vesicles transporting ligand-receptor complexes from the plasma membrane or from the trans-Golgi network to lysosomes. The adaptin family of proteins is composed of four classes of molecules named alpha, beta-, beta prime- and gamma- adaptins. Adaptins, together with medium and small subunits, form a heterotetrameric complex called an adaptor, whose role is to promote the formation of clathrin-coated pits and vesicles. The protein encoded by this gene is a gamma-adaptin protein and it belongs to the adaptor complexes

large subunits family. This protein along with the complex is thought to function at some trafficking step in the complex pathways between the trans-Golgi network and the cell surface. There are two alternatively spliced transcript variants of this gene encoding the same protein.

#### **AP1G2 Antibody (N-term) - References**

Doring, T., et al. Biochim. Biophys. Acta 1803(11):1252-1264(2010)  
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Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)  
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