



## Rabbit antibody to AP-1 complex subunit gamma-1 (5-24): whole serum

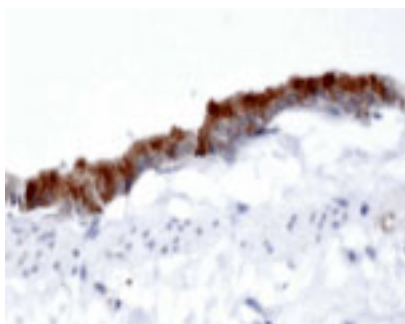
<b>Catalogue No.:</b>	R-166-100
<b>Description:</b>	Adaptins are important components of clathrin-coated vesicles transporting ligand-receptor complexes from the plasma membrane or from the trans Golgi network to lysosomes. Together with medium and small subunits, adaptins form a heterotetrameric complex called an adaptor whose role is to promote the formation of clathrin-coated pits and vesicles and to recognise sorting signals within the cytosolic tails of transmembrane cargo molecules. Gamma-adaptin protein belongs to the adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network and/or endosomes. SUBCELLULAR LOCATION: Golgi apparatus. Cytoplasmic vesicle, clathrin-coated vesicle membrane.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	A synthetic peptide (IRLRELIRTIRTARTQAEER) corresponding to the amino acids 5-24 of human AP-1 complex subunit gamma-1 conjugated to diphtheria toxin has been used as the immunogen. The peptide is homologous with the corresponding sequence derived from AP-1 complex subunit gamma-1 protein in mouse, rat, dog and zebra fish.
<b>Sequence:</b>	Human and rat sequences are identical.
<b>Other Names:</b>	AP-1 complex subunit gamma-1; Adapter-related protein complex 1 subunit gamma-1; Gamma1-adaptin; Adaptor protein complex AP-1 subunit gamma-1; Golgi adaptor HA1/AP1 adaptin subunit gamma-1; Clathrin assembly protein complex 1 gamma-1 large chain; AP1G1; ADTG; CLAPG1
<b>Accession:</b>	AP1G1_HUMAN
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Whole serum
<b>Applications:</b>	IHC, WB. This antibody works in immunohistochemistry on frozen or wax embedded tissue. Antigen retrieval has been used in testing but may not be necessary. Typical working dilution: Light microscopy 1/500 to 1/2000 depending on tissue and detection method; Immunofluorescence 1/50 to 1/200; Western blotting 1/1000 to 1/4000 is recommended depending on detection method. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	This antibody has been shown to be specific for AP-1
<b>Cross-reactivity:</b>	Rat and human
<b>Form:</b>	0.1ml filtered lyophilised serum containing 0.02% thimerosal.
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent.
<b>Expiry Date:</b>	12 months after purchase
<b>References:</b>	

FOR RESEARCH USE ONLY



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1. Peyrard M, et al. Genomics 50:275-280(1998).
2. Takatsu H, et al. J. Biol. Chem. 273:24693-24700(1998).



Immunohistochemistry using DAB substrate showing intense staining in the rat airway epithelium using Rabbit antibody to AP-1 complex subunit gamma-1: whole serum (R-166-100) at a dilution of 1: 500. Secondary antibody was biotinylated goat and rabbit at a dilution of 1: 3000 followed by Vector ABC. This antigen has a similar distribution to clathrin, with which it associates.

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