

Rabbit anti-Human AP-2 complex subunit alpha-1 Polyclonal Antibody | anti-AP2A1 antibody

Rabbit anti-human AP-2 complex subunit alpha-1 polyclonal Antibody(AP2A1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119611	Rabbit	Human	Immunohistochemistry, ELISA

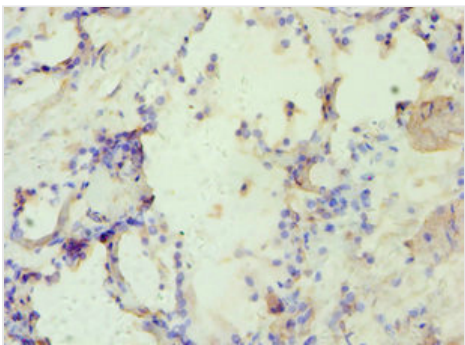
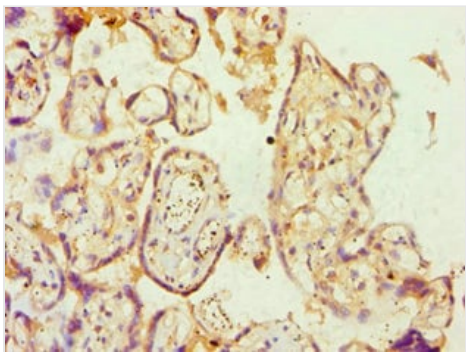
PRODUCT SYNONYMS

AP-2 complex subunit alpha-1; Polyclonal Antibody; Rabbit anti-human AP-2 complex subunit alpha-1 polyclonal Antibody(AP2A1); 100 kDa coated vesicle protein A; Adaptor protein complex AP-2 subunit alpha-1; Adaptor-related protein complex 2 subunit alpha-1; Alpha-adaptin A; Alpha1-adaptin; Clathrin assembly protein complex 2 alpha-A large chain; Plasma membrane adaptor HA2/AP2 adaptin alpha A subunit; AP2A1; ADTAA; CLAPA1; anti-AP2A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	977
Applicable Applications for anti-AP2A1 antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human AP-2 complex subunit alpha-1 protein (1-260aa)
Species	Human
Research Area	Signal Transduction
Target Names	AP2A1
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human placenta using AAA119611 at dilution 1:100

IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human prostate using AAA119611 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-AP2A1 antibody

Component of the adaptor protein complex 2 (AP-2). Adaptor protein complexes function in protein transport via transport vesicles in different membrane traffic pathways. Adaptor protein complexes are vesicle coat components and appear to be involved in cargo selection and vesicle formation. AP-2 is involved in clathrin-dependent endocytosis in which cargo proteins are incorporated into vesicles surrounded by clathrin (clathrin-coated vesicles, CCVs) which are destined for fusion with the early endosome. The clathrin lattice serves as a mechanical scaffold but is itself unable to bind directly to membrane components. Clathrin-associated adaptor protein (AP) complexes which can bind directly to both the clathrin lattice and to the lipid and protein components of membranes are considered to be the major clathrin adaptors contributing the CCV formation. AP-2 also serves as a cargo receptor to selectively sort the membrane proteins involved in receptor-mediated endocytosis. AP-2 seems to play a role in the recycling of synaptic vesicle membranes from the presynaptic surface. AP-2 recognizes Y-X-X-[FILMV] (Y-X-X-Phi) and [ED]-X-X-X-L-[LI] endocytosis signal motifs within the cytosolic tails of transmembrane cargo molecules. AP-2 may also play a role in maintaining normal post-endocytic trafficking through the ARF6-regulated, non-clathrin pathway. The AP-2 alpha subunit binds polyphosphoinositide-containing lipids, positioning AP-2 on the membrane. The AP-2 alpha subunit acts via its C-terminal appendage domain as a scaffolding platform for endocytic accessory proteins. The AP-2 alpha and AP-2 sigma subunits are thought to contribute to the recognition of the [ED]-X-X-X-L-[LI] motif (By similarity).

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913414
NCBI GeneID	160
NCBI Accession #	NP_055018.2
NCBI GenBank Nucleotide #	NM_014203.2
UniProt Accession #	O95782; Q96CI7; Q96PP6; Q96PP7; Q9H070
NCBI Official Full Name	AP-2 complex subunit alpha-1 isoform 1
NCBI Official Synonym Full Names	adaptor related protein complex 2 alpha 1 subunit
NCBI Official Symbol	AP2A1
NCBI Official Synonym Symbols	ADTAA; CLAPA1; AP2-ALPHA
NCBI Protein Information	AP-2 complex subunit alpha-1
UniProt Protein Name	AP-2 complex subunit alpha-1
UniProt Gene Name	AP2A1
UniProt Synonym Gene Names	ADTAA; CLAPA1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ap-2-complex-subunit-alpha-1-antibody-immunohistochemistry-elisa/119611>