

Rabbit anti-Human, Mouse AP2A2 Polyclonal Antibody | anti-AP2A2 antibody

AP2A2 Antibody

CATALOG # AAA231305	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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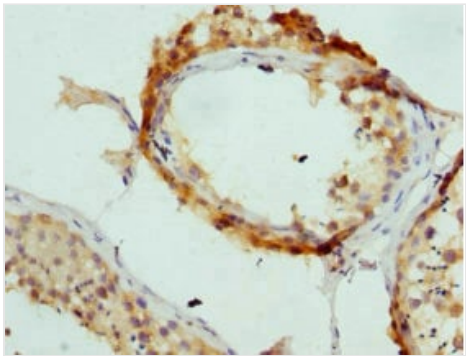
PRODUCT SYNONYMS

AP2A2; Polyclonal Antibody; AP2A2 Antibody; AP-2 complex subunit alpha-2; 100 kDa coated vesicle protein C; Adaptor protein complex AP-2 subunit alpha-2; Adaptor-related protein complex 2 subunit alpha-2; Alpha-adaptin C; Alpha2-adaptin; Clathrin assembly protein complex 2 alpha-C large chain; Huntingtin yeast partner J; Huntingtin-interacting protein 9; HIP-9; Huntingtin-interacting protein J; Plasma membrane adaptor HA2/AP2 adaptin alpha C subunit; ADTAB; CLAPA2; HIP9; HYPJ; KIAA0899; anti-AP2A2 antibody

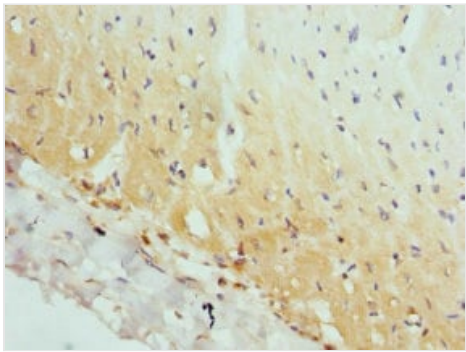
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	940
Applicable Applications for anti-AP2A2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human AP-2 complex subunit alpha-2 protein (C-350AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-55497 / sc-10761
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

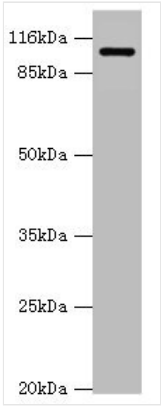
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human testis using AAA231305 at dilution 1:100



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human heart tissue using AAA231305 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: AP2A2 antibody at 0.61ug/ml+mouse brain tissueSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 104,105,74 kDaObserved band size: 104 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AP2A2 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	338827685
NCBI GeneID	161
NCBI Accession #	NP_001229766.1

NCBI GenBank Nucleotide #	NM_001242837.1
UniProt Accession #	O94973 ; O75403 ; Q53ET1 ; Q96SI8
Molecular Weight	73,128 Da
NCBI Official Full Name	AP-2 complex subunit alpha-2 isoform 1
NCBI Official Synonym Full Names	adaptor related protein complex 2 alpha 2 subunit
NCBI Official Symbol	AP2A2
NCBI Official Synonym Symbols	HIP9; HYPJ; ADTAB; HIP-9; CLAPA2
NCBI Protein Information	AP-2 complex subunit alpha-2
UniProt Protein Name	AP-2 complex subunit alpha-2
UniProt Gene Name	AP2A2
UniProt Synonym Gene Names	ADTAB; CLAPA2; HIP9; HYPJ; KIAA0899; HIP-9
UniProt Entry Name	AP2A2_HUMAN

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/ap2a2-antibody-immunohistochemistry-western-blot-elisa/231305>