

Rabbit anti-Human AP-2 complex subunit sigma Polyclonal Antibody | anti-AP2S1 antibody

Rabbit anti-human AP-2 complex subunit sigma polyclonal Antibody

CATALOG # AAA81503	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
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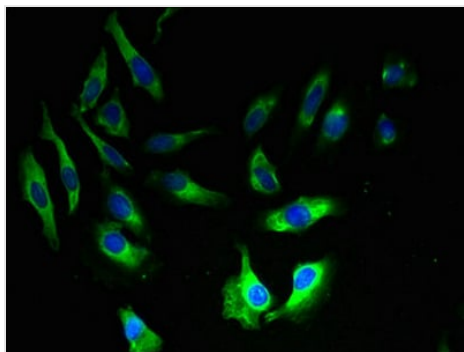
PRODUCT SYNONYMS

AP-2 complex subunit sigma; Polyclonal Antibody; Rabbit anti-human AP-2 complex subunit sigma polyclonal Antibody; anti-AP2S1 antibody

PRODUCT SPECIFICATIONS

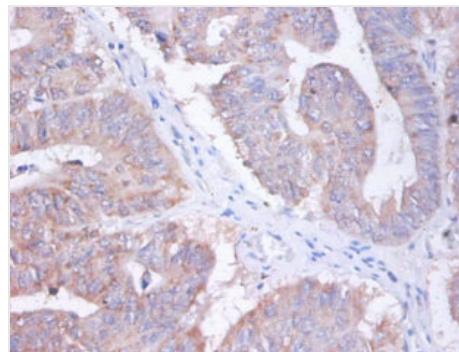
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation
Sequence Length	158
Applicable Applications for anti-AP2S1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human AP-2 complex subunit sigma protein
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



IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA81503 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colorectal carcinoma using AAA81503 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-AP2S1 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 and AP-2 sigma subunits are thought to contribute to the recognition of the [ED]-X-X-X-L-[LI] motif.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	666637993
NCBI GeneID	1175
NCBI Accession #	NP_001288005.1
NCBI GenBank Nucleotide #	NM_001301076.1
UniProt Accession #	P53680; O75977; Q6PK67; B2R4Z4
Molecular Weight	12,417 Da
NCBI Official Full Name	AP-2 complex subunit sigma isoform 3
NCBI Official Synonym Full Names	adaptor related protein complex 2 sigma 1 subunit
NCBI Official Symbol	AP2S1
NCBI Official Synonym Symbols	AP17; FBH3; HHC3; FBHOk; CLAPS2
NCBI Protein Information	AP-2 complex subunit sigma
UniProt Protein Name	AP-2 complex subunit sigma
UniProt Gene Name	AP2S1
UniProt Synonym Gene Names	AP17; CLAPS2
UniProt Entry Name	AP2S1_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.