Datasheet for ABIN7144374

anti-AP2S1 antibody (AA 1-142) (Biotin)

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Overview

Quantity:	100 µg
Target:	AP2S1
Binding Specificity:	AA 1-142
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AP2S1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human AP-2 complex subunit sigma protein (1-142AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	AP2S1
Alternative Name:	AP2S1 (AP2S1 Products)
Background:	Background: Component of the adaptor protein complex 2 (AP-2). Adaptor protein complexes function in protein Transport via Transport vesicles in different membrane traffic pathways.

Target Details

	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 surrrounded 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. Aliases: Adapter-related protein complex 2 sigma subunit antibody, Adaptor protein complex AP 2 subunit sigma antibody, Adaptor protein complex AP-2 subunit sigma antibody, Adaptor protein complex AP2 subunit sigma antibody, Adaptor related protein complex 2 sigma 1 subunit antibody, AI043088 antibody, AP 17 antibody, AP 2 complex subunit sigma 1 antibody, AP-2 complex subunit sigma antibody, AP17 antibody, AP17 delta antibody, AP2 complex subunit sigma 1 antibody, Ap2s1 antibody, AP2S1_HUMAN antibody, CLAPS 2 antibody, CLAPS2 antibody, Clathrin adaptor complex AP2, sigma subunit antibody, Clathrin adaptor protein AP17 antibody, Clathrin assembly protein 2 small chain antibody, Clathrin associated/assembly/adaptor protein small 2 antibody, Clathrin associated/assembly/adaptor protein small 2, 17-KD antibody, Clathrin associated/assembly/adaptor protein, small 2 (17kD) antibody, Clathrin coat assembly protein AP17 antibody, Clathrin coat associated protein AP17 antibody, Clathrin coat-associated protein AP17 antibody, HA2 17 kDa subunit antibody, MGC62945 antibody, Plasma membrane adaptor AP 2 17 kDa protein antibody, Plasma membrane adaptor AP-2 17 kDa protein antibody, Plasma membrane adaptor AP2 17 kDa protein antibody, Sigma adaptin 3b antibody, Sigma2 adaptin antibody, Sigma2-adaptin antibody
UniProt:	P53680
Pathways:	EGFR Signaling Pathway, Neurotrophin Signaling Pathway, EGFR Downregulation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.