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anti-AP2A2 antibody (AA 21-150) (Biotin)



Overview

Quantity:	100 μL
Target:	AP2A2
Binding Specificity:	AA 21-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AP2A2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AP2A2
Isotype:	IgG
Specificity:	Based on the similarity among the Alpha2-Adaptin proteins, this antibody will bind both AP2A1 and AP2A2.
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	AP2A2
Alternative Name:	alpha2 Adaptin (AP2A2 Products)
Background:	Synonyms: 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, AP2A2, ADTAB, CLAPA2, AP-2 complex
	subunit alpha-1, 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 adaptir
	alpha A subunit, AP2A1, ADTAA, CLAPA1
	Background: Clathrin-mediated endocytosis is the pathway by which many receptors for
	nutrients and hormones are internalized to be recycled or down-regulated. During formation o
	clathrin coated membranes, clathrin co-assembles with heterotetrameric molecules known as
	assembly polypeptides (APs) or adaptors which form a layer of protein coat between the
	clathrin lattice and the membrane. There are two characterized adaptors AP1 and AP2. AP1 is
	associated with clathrin coated vesicles at the trans-Golgi network and AP2 is associated with
	the endocytic clathrin coated vesicles at the plasma membrane and has been shown to
	specifically interact with Shc and EGF receptor. AP2 is composed of four subunits, two
	separate 100 kDa gene products with similar domain structures (alpha and beta adaptin) and
	50 and 17 kDa subunit. There are two alpha-adaptin genes, alpha A and alpha C which have a
	tissue specific pattern of expression.
Gene ID:	161
Pathways:	EGFR Signaling Pathway, Neurotrophin Signaling Pathway, EGFR Downregulation, SARS-CoV-2
	Protein Interactome
Application Details	
Application Notes:	WB 1:300-5000
	IHC-P 1:200-400
	IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months