antibodies

Datasheet for ABIN673674 anti-AP2A2 antibody (AA 21-150)

2 Images



Overview

Quantity:	100 µL
Target:	AP2A2
Binding Specificity:	AA 21-150
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AP2A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), 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.

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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 adaptin
	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 of
	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 a
	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
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

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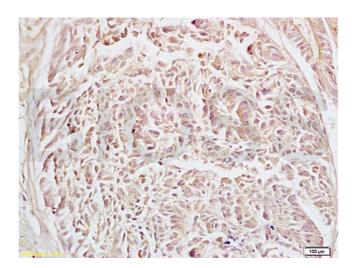
Restrictions:

For Research Use only

Handling

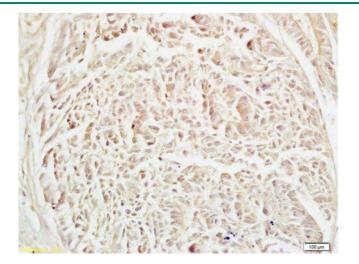
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and human rectal carcinoma tissue labeled with Anti-Alpha-Adaptin Polyclonal Antibody, Unconjugated (ABIN673674) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and human rectal carcinoma tissue labeled with Anti-Alpha-Adaptin Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

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