antibodies

Datasheet for ABIN7146263 anti-CHP antibody (AA 2-195) (FITC)



Overview	
Quantity:	100 µg
Target:	CHP
Binding Specificity:	AA 2-195
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHP antibody is conjugated to FITC
Product Details	
Immunogen:	Recombinant Human Calcineurin B homologous protein 1 protein (2-195AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified
Target Details	
Target:	CHP
Alternative Name:	CHP1 (CHP Products)
Background:	Background: Calcium-binding protein involved in different processes such as regulation of
	vesicular trafficking, plasma membrane Na(+)/H(+) exchanger and gene transcription. Involved
	in the constitutive exocytic membrane traffic. Mediates the association between microtubules
	and membrane-bound organelles of the endoplasmic reticulum and Golgi apparatus and is also

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	required for the targeting and fusion of transcytotic vesicles (TCV) with the plasma membrane.
	Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type
	Na(+)/H(+) exchange activity. Affects the pH sensitivity of SLC9A1/NHE1 by increasing its
	sensitivity at acidic pH . Required for the stabilization and localization of SLC9A1/NHE1 at the
	plasma membrane. Inhibits serum- and GTPase-stimulated Na(+)/H(+) exchange. Plays a role
	as an inhibitor of ribosomal RNA transcription by repressing the nucleolar UBF1 transcriptional
	activity. May sequester UBF1 in the nucleoplasm and limit its translocation to the nucleolus.
	Associates to the ribosomal gene promoter. Acts as a negative regulator of the
	calcineurin/NFAT signaling pathway. Inhibits NFAT nuclear translocation and transcriptional
	activity by suppressing the calcium-dependent calcineurin phosphatase activity. Also negatively
	regulates the kinase activity of the apoptosis-induced kinase STK17B. Inhibits both STK17B
	auto- and substrate-phosphorylations in a calcium-dependent manner.
	Aliases: Calcineurin B homolog antibody, Calcineurin B homologous protein antibody,
	Calcineurin homologous protein antibody, Calcineurin like EF hand protein 1 antibody, Calcium
	binding protein CHP antibody, Calcium binding protein p22 antibody, Calcium-binding protein
	CHP antibody, Calcium-binding protein p22 antibody, chp antibody, CHP1_HUMAN antibody, Sid
	470 antibody, Sid470 antibody, SLC9A1 binding protein antibody, SLC9A1BP antibody, Wrch2
	antibody
UniProt:	Q99653
Pathways:	Proton Transport, Regulation of Carbohydrate Metabolic Process, VEGF Signaling

Application Details

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

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Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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