

Datasheet for ABIN7184426
anti-CHP antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	CHP
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized peptide derived from N-terminal of Human CHP.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	CHP
Alternative Name:	CHP1 (CHP Products)
Background:	Background: Calcium-binding protein involved in different processes such as regulation of

Target Details

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 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.

Lin X., Proc. Natl. Acad. Sci. U.S.A. 93:12631-12636(1996).

Ebert L., Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Ota T., Nat. Genet. 36:40-45(2004).

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

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

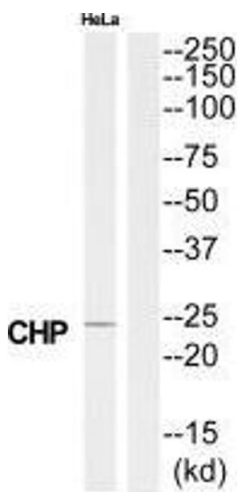
Handling

Format: Liquid

Handling

Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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.

Images



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells, using CHP antibody.