



Datasheet for ABIN2784874
anti-CHP antibody (N-Term)



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2 Images

Overview

Quantity:	100 µL
Target:	CHP
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CHP
Sequence:	FTSLDKGENG TLSREDFQRI PELAINPLGD RIINAFFPEG EDQVNFGRGM
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against CHP. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	CHP
Alternative Name:	CHP (CHP Products)

Target Details

Background:	<p>This gene encodes a phosphoprotein that binds to the Na⁺/H⁺ exchanger NHE1. This protein serves as an essential cofactor which supports the physiological activity of NHE family members and may play a role in the mitogenic regulation of NHE1. The protein shares similarity with calcineurin B and calmodulin and it is also known to be an endogenous inhibitor of calcineurin activity.</p> <p>Alias Symbols: SLC9A1BP, CHP</p> <p>Protein Interaction Partner: vpu, UBC, ELAVL1, SLC9A4, PRSS23, KIF1B, STK17B, SLC9A2, SLC9A5, SLC9A3, GAPDH, SLC9A1,</p> <p>Protein Size: 195</p>
Molecular Weight:	22 kDa
Gene ID:	11261
NCBI Accession:	NM_007236 , NP_009167
UniProt:	Q99653
Pathways:	Proton Transport , Regulation of Carbohydrate Metabolic Process , VEGF Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 195 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CHP Antibody Titration: 0.2-1 ug/ml

Positive Control: 721_B cell lysate

Western Blotting

Image 2. WB Suggested Anti-CHP

Antibody Titration: 0.2-1 µg/mL

Positive Control: 21_B cell lysate

CHP1 is supported by BioGPS gene expression data to be expressed in 721_B