

Rabbit CHP2 Polyclonal Antibody | anti-CHP2 antibody

CHP2 Antibody

CATALOG # AAA324534	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

CHP2; Polyclonal Antibody; CHP2 Antibody; Calcineurin B homologous protein 2; HCA520; Hepatocellular carcinoma associated antigen 520; anti-CHP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CHP2 antibody detects endogenous levels of total CHP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	196
Applicable Applications for anti-CHP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Plasma Membrane; Nucleus
Tissue Specificity	Expressed in malignantly transformed cells but not detected in normal tissues.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (100%), Zebrafish (80%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using CHP2 antibody.



IF (Immunofluorescence)

AAA324534 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHP2 antibody	Function: Functions as an integral cofactor in cell pH regulation by controlling plasma membrane-type Na⁺/H⁺ exchange activity. Binds to and activates SLC9A1/NHE1 in a serum-independent manner, thus increasing pH and protecting cells from serum deprivation-induced death. Also plays a role in the regulation of cell proliferation and tumor growth by increasing the phosphatase activity of PPP3CA in a calcium-dependent manner. Activator of the calcineurin/NFAT signaling pathway. Involved in the cytoplasmic translocation of the transcription factor NFATC3 to the nucleus. Subunit Structure: Interacts with PPP3CA. Interacts with SLC9A1/NHE1; the interaction occurs in a calcium-dependent manner. Similarity: Belongs to the calcineurin regulatory subunit family. CHP subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11545811
NCBI GeneID	63928
NCBI Accession #	NP_071380.1
NCBI GenBank Nucleotide #	NM_022097.3
UniProt Accession #	O43745; A8K2I8
Molecular Weight	Observed: 22 kD Predicted: 23 kDa
NCBI Official Full Name	calcineurin B homologous protein 2
NCBI Official Synonym Full Names	calcineurin like EF-hand protein 2
NCBI Official Symbol	CHP2
NCBI Protein Information	calcineurin B homologous protein 2
UniProt Protein Name	Calcineurin B homologous protein 2
UniProt Gene Name	CHP2
UniProt Synonym Gene Names	HCA520

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/chp2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324534>