

CHP2 Polyclonal Antibody

Catalog # AP69098

Product Information

Application	WB, E
Primary Accession	O43745
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22452

Additional Information

Gene ID	63928
Other Names	CHP2; HCA520; Calcineurin B homologous protein 2; Hepatocellular carcinoma-associated antigen 520
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

Protein Information

Name	CHP2
Synonyms	HCA520
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.
Cellular Location	Nucleus. Cytoplasm. Cell membrane. Note=Predominantly localized in a juxtannuclear region. Colocalizes with SLC9A3 in the juxtannuclear region and at the plasma membrane (By similarity). Exported from the nucleus to the cytoplasm through a nuclear export signal (NES) pathway. May shuttle between nucleus and cytoplasm.

Tissue Location

Expressed in malignantly transformed cells but not detected in normal tissues.

Background

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Images



Western Blot analysis of various cells using CHP2 Polyclonal Antibody

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