

# Anti-CHP2 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18286

## Product Information

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<b>Application</b>	WB, IHC-P, IP
<b>Primary Accession</b>	<a href="#">O43745</a>
<b>Predicted</b>	Human, Mouse, Rat, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	22452
<b>Concentration (mg/ml)</b>	1 mg/ml

## Additional Information

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<b>Gene ID</b>	63928
<b>Alias Symbol</b>	CHP2
<b>Other Names</b>	CHP2, HCA520
<b>Target/Specificity</b>	Recognizes endogenous levels of CHP2 protein.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-CHP2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CHP2
<b>Synonyms</b>	HCA520
<b>Function</b>	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.
<b>Cellular Location</b>	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.