

**CHP2 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51087**

**Specification**

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**CHP2 Antibody - Product Information**

Application	<b>WB, IP, E</b>
Primary Accession	<a href="#">O43745</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>22 KDa</b>

**CHP2 Antibody - Additional Information**

**Gene ID** 63928

**Other Names**

Calcineurin B homologous protein 2, Hepatocellular carcinoma-associated antigen 520, CHP2, HCA520

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**CHP2 Antibody - 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.

**CHP2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CHP2 Antibody - Images****CHP2 Antibody - Background**

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**CHP2 Antibody - References**

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Wang Y., et al. J. Immunol. 169:1102-1109(2002).  
Pang T., et al. J. Biol. Chem. 277:43771-43777(2002).  
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Li Q.H., et al. Genes Cells 16:416-426(2011).