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# Anti-CHP2 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18286

## Product Information

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| **Application** | WB, IHC-P, IP |
| **Primary Accession** | O43745 |
| **Predicted** | Human, Mouse, Rat, Monkey |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 22452 |
| **Concentration (mg/ml)** | 1 mg/ml |

## Additional Information

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

## Protein Information

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| **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 juxtanuclear region. Colocalizes with SLC9A3 in the juxtanuclear 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.

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| **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'.