

CHP2 Polyclonal Antibody

Description

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|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-AP01780 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human CHP2. AA range:101-150 |
| Mol wt | 22452 |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | WB, ELISA |
| Concentration | 1 mg/ml |
| Full name | CHP2 Antibody |
| Synonyms | CHP2; HCA520; Calcineurin B homologous protein 2; Hepatocellular carcinoma-associated antigen 520 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CHP2 product is a small calcium-binding protein that regulates cell pH by controlling plasma membrane-type Na⁺/H⁺ exchange activity. Calcineurin like EF-hand protein 2 shares sequence similarity with calcineurin B and can bind to and stimulate the protein phosphatase activity of calcineurin A (CnA) and functions in the calcineurin/NFAT (nuclear factor of activated T cells) signaling pathway. Another member of the CHP subfamily, Calcineurin B homologous protein 1, is located on Chromosome 15 and is an inhibitor of calcineurin activity and has a genetic phenotype associated with Parkinson's Disease (OMIM:606988). CHP2 was initially identified as a tumor-associated antigen and was previously referred to as Hepatocellular carcinoma-associated antigen 520.

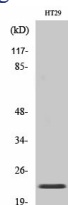
Recommended Dilution

WB: 1: 500 - 1: 2000

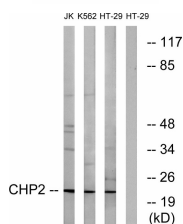
ELISA: 1: 40000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using CHP2 Polyclonal Antibody



Western blot analysis of lysates from HT-29, K562, and Jurkat cells, using CHP2 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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