

Anti-Human/Mouse/Rat CHP2 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA02788

3th Edition

Description: This gene product is a small calcium-binding protein that regulates cell pH by controlling plasma membrane-type Na⁺/H⁺ exchange activity. This protein 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). This gene was initially identified as a tumor-associated antigen and was previously referred to as Hepatocellular carcinoma-associated antigen 520. CHP2 (Calcineurin Like EF-Hand Protein 2) is a Protein Coding gene. Diseases associated with CHP2 include Hepatocellular Carcinoma. Among its related pathways are Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins.. GO annotations related to this gene include calcium ion binding. An important paralog of this gene is CHP1.

Antigen: Synthesized peptide derived from the Internal region of human CHP2

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

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