

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



CHP2 Peptide

Cat No.: BS5661P

Background

CHP2 (Calcineurin B homologous protein 2), also known as Hepatocellular carcinoma-associated antigen 520, is a 196 amino acid protein that contains four EF-hand domains and plays a potential role in transmembrane Na⁺/H⁺ exchange. By binding to and activating NHE-1, CHP2 increases the pH and works to protect cells from serum deprivation-induced death. Though not typically detected in normal tissues, CHP2 is highly expressed in malignantly transformed cells and is therefore considered to be a tumor-associated antigen. Ectopic expression of CHP2 promotes proliferation of HEK293 cells and knockdown of CHP2 mRNA in HepG2 cells inhibits cell proliferation. Like calcineurin B, CHP2 can bind to and stimulate phosphatase activity of calcineurin A and activate the calcineurin/NFAT signaling pathway.

Swiss-Prot

O43745

Applications

Blocking

Specificity

This peptide can be used with studies using BS5661 CHP2 pAb.

Purification & Purity

Synthetic peptide CHP2. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term.

Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN
55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co, Ltd.

No 9, weidi road Qixia District Nanjing, 210046,
P, R.China.

Email: info@biogot.com

Tel: +86-025-68037686 Fax: +86-025-68035151