

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



MAST4 Peptide

Cat No.: BS5791P

Background

The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine(Ser/Thr) protein kinases. MAST4 (microtubule associated serine/threonine kinase family member 4), also known as KIAA0303, is a 2,626 amino acid protein that localizes to the cytoplasm and contains one protein kinase domain, as well as one PDZ domain and one AGC-kinase C-terminal domain. Expressed at high levels in most adult tissues, including testis, colon and small intestine, MAST4 uses magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Multiple isoforms of MAST4 exist due to alternative splicing events.

Swiss-Prot

O15021

Applications

Blocking

Specificity

This peptide can be used with studies using BS5791 MAST4 pAb.

Purification & Purity

Synthetic peptide MAST4. (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.