

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PTP1B (Y46) Peptide

Cat No.: BS1589P

Background

The phosphorylation of proteins at tyrosine residues has long been recognized as an important regulatory component of signal transduction. This is a reversible process, involving both enzymes that phosphorylate proteins on tyrosine residues as well as a rapidly expanding family of protein tyrosine phosphatases. These latter enzymes bear little resemblance to either the protein serine and protein threonine phosphatases or to the acid and alkaline phosphatases. In most tissues, the major PTPase is a vanadate- and molybdate-sensitive protein of approximately 40 kDa molecular weight. On the basis of sequence analysis, PTP1B expressed in human placenta exhibits similarities both with the common leukocyte antigen (CD45) and with LAR, a homolog of the neural adhesion molecule (NCAM). PTPase 1B is synthesized as a 435 amino acid precursor protein which is cleaved to generate the active 321 amino acid enzyme.

Swiss-Prot

P18031

Applications

Blocking

Specificity

This peptide can be used with studies using BS1589 PTP1B (Y46) pAb.

Purification & Purity

Synthetic peptide PTP1B (Y46). (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.