

PTPN18 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16925b**Specification**

PTPN18 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q99952](#)

PTPN18 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 26469

Other Names

Tyrosine-protein phosphatase non-receptor type 18, Brain-derived phosphatase, PTPN18, BDP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTPN18 Antibody (C-term) Blocking Peptide - Protein Information

Name PTPN18

Synonyms BDP1

Function

Differentially dephosphorylate autophosphorylated tyrosine kinases which are known to be overexpressed in tumor tissues.

Cellular Location

Nucleus. Cytoplasm.

Tissue Location

Expressed in brain, colon and several tumor-derived cell lines.

PTPN18 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PTPN18 Antibody (C-term) Blocking Peptide - Images**PTPN18 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

PTPN18 Antibody (C-term) Blocking Peptide - References

Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005) Zhang, Y., et al. Mol. Cell Proteomics 4(9):1240-1250(2005) Tao, W.A., et al. Nat. Methods 2(8):591-598(2005) Blanchetot, C., et al. Methods 35(1):44-53(2005) Gandhi, T.K., et al. DNA Res. 12(2):79-89(2005)