

PTPN7 (PTN7) Antibody (Center) Blocking peptide

Synthetic peptide Catalog # BP8483c

Specification

PTPN7 (PTN7) Antibody (Center) Blocking peptide - Product Information

Primary Accession <u>P35236</u>

PTPN7 (PTN7) Antibody (Center) Blocking peptide - Additional Information

Gene ID 5778

Other Names

Tyrosine-protein phosphatase non-receptor type 7, Hematopoietic protein-tyrosine phosphatase, HEPTP, Protein-tyrosine phosphatase LC-PTP, PTPN7

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP8483c was selected from the Center region of human PTN7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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

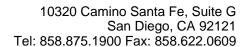
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTPN7 (PTN7) Antibody (Center) Blocking peptide - Protein Information

Name PTPN7

PTPN7 (PTN7) Antibody (Center) Blocking peptide - Background

PTN7 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, mitotic cycle, and oncogenic transformation. This gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway.





Function

Protein phosphatase that acts preferentially on tyrosine- phosphorylated MAPK1. Plays a role in the regulation of T and B-lymphocyte development and signal transduction.

Cellular Location Cytoplasm. Cytoplasm, cytoskeleton

Tissue LocationExpressed exclusively in thymus and spleen.

PTPN7 (PTN7) Antibody (Center) Blocking peptide - Protocols

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

• Blocking Peptides