10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# PTPD2 Antibody (N-term) Blocking Peptide
**Synthetic peptide**
**Catalog # BP8425a**

## Specification

### PTPD2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q15678

### PTPD2 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 5784

**Other Names**
Tyrosine-protein phosphatase non-receptor type 14, Protein-tyrosine phosphatase pez, PTPN14, PEZ, PTPD2

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP8425a>AP8425a</a> was selected from the N-term region of human PTPD2 .

**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.

### PTPD2 Antibody (N-term) Blocking Peptide - Protein Information

**Name** PTPN14

**Synonyms** PEZ, PTPD2

**Function**
Protein tyrosine phosphatase which may play a role in the regulation of lymphangiogenesis, cell-cell adhesion, cell-matrix adhesion, cell migration, cell growth and also regulates TGF-beta gene expression, thereby modulating epithelial-mesenchymal transition. Mediates beta-catenin dephosphorylation at adhesion junctions. Acts as a negative regulator of the oncogenic property of YAP, a downstream target of the hippo pathway, in a cell density-dependent manner. May function as a tumor suppressor.

**Cellular Location**
Cytoplasm. Cytoplasm, cytoskeleton. Nucleus. Note=Translocation into the nucleus is associated with induction of cell proliferation. Partially colocalized with actin filaments at the plasma

membrane

**Tissue Location**
Ubiquitous.

## PTPD2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## PTPD2 Antibody (N-term) Blocking Peptide - Images

## PTPD2 Antibody (N-term) Blocking Peptide - References

Smith, A.L., et al., Biochem. Biophys. Res. Commun. 209(3):959-965 (1995).