

DPT Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7485c**Specification**

DPT Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q07507](#)

DPT Antibody (Center) Blocking Peptide - Additional Information

Gene ID 1805

Other Names

Dermatopontin, Tyrosine-rich acidic matrix protein, TRAMP, DPT

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7485c](/products/AP7485c) was selected from the Center region of human DPT. 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.

DPT Antibody (Center) Blocking Peptide - Protein Information

Name DPT

Function

Seems to mediate adhesion by cell surface integrin binding. May serve as a communication link between the dermal fibroblast cell surface and its extracellular matrix environment. Enhances TGFβ1 activity. Inhibits cell proliferation. Accelerates collagen fibril formation, and stabilizes collagen fibrils against low-temperature dissociation (By similarity).

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Expressed in fibroblasts, heart, skeletal muscle, brain and pancreas. Expressed at an intermediate level in lung and kidney, and at a low level in liver and placenta. Expressed at a lower level in fibroblasts from hypertrophic scar lesional skin and in fibroblasts from patients with systemic

sclerosis than in normal skin fibroblasts.

DPT Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DPT Antibody (Center) Blocking Peptide - Images

DPT Antibody (Center) Blocking Peptide - Background

DPT is an extracellular matrix protein with possible functions in cell-matrix interactions and matrix assembly. This protein is found in various tissues and many of its tyrosine residues are sulphated. The protein is postulated to modify the behavior of TGF-beta through interaction with decorin.

DPT Antibody (Center) Blocking Peptide - References

Cheung,C.L., Chan,B.Y. Hum. Mol. Genet. 18 (4), 679-687 (2009)Pochampally,R.R., Ylostalo,J. J. Bone Miner. Res. 22 (9), 1338-1349 (2007)Lunetta,K.L., D'Agostino,R.B. Sr. BMC Med. Genet. 8 SUPPL 1, S13 (2007)