10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

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 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

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)

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 TGFB1 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