

DPT Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12641a**Specification**

DPT Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q07507
Other Accession	Q9QZZ6 , NP_001928.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24005
Antigen Region	45-72

DPT Antibody (N-term) - Additional Information**Gene ID** 1805**Other Names**

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

Target/Specificity

This DPT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 45-72 amino acids from the N-terminal region of human DPT.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DPT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DPT Antibody (N-term) - 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 TGF β 1 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

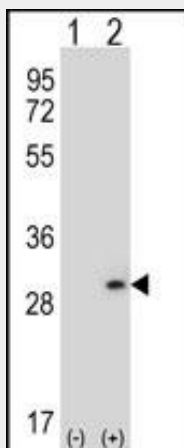
Expressed in fibroblasts, heart, skeletal muscle, brain and pancreas. Expressed at an intermediate level in lung and kidney, and at a low level in liver and placenta. Expressed at a lower level in fibroblasts from hypertrophic scar lesional skin and in fibroblasts from patients with systemic sclerosis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

DPT Antibody (N-term) - Protocols

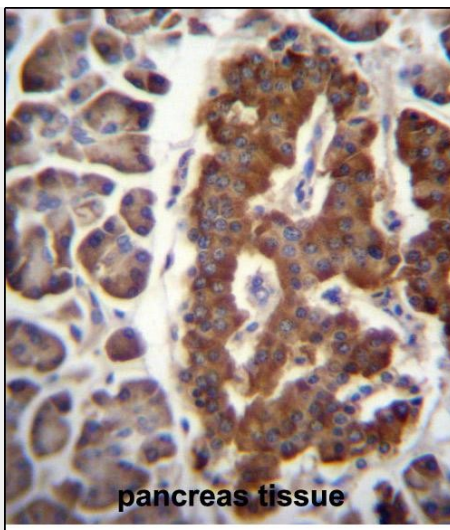
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DPT Antibody (N-term) - Images



Western blot analysis of DPT (arrow) using rabbit polyclonal DPT Antibody (N-term) (Cat. #AP12641a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DPT gene.



DPT Antibody (N-term) (Cat. #AP12641a) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of DPT Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

DPT Antibody (N-term) - Background

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

DPT Antibody (N-term) - References

Ehret, G.B., et al. Eur. J. Hum. Genet. 17(12):1650-1657(2009)
Li, X., et al. Biochemistry Mosc. 74(9):979-985(2009)
Cheung, C.L., et al. Hum. Mol. Genet. 18(4):679-687(2009)
Pochampally, R.R., et al. J. Bone Miner. Res. 22(9):1338-1349(2007)
Lunetta, K.L., et al. BMC Med. Genet. 8 SUPPL 1, S13 (2007) :