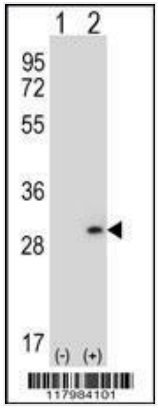
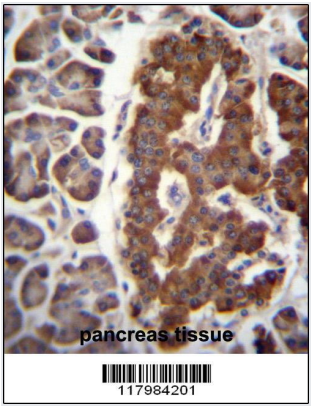
DPT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPT, Polyclonal Antibody
Full Product Name	DPT, NT (DPT, Dermatopontin, Tyrosine-rich acidic matrix protein) (FITC)
Product Gene Name	anti-DPT antibody
Product Synonym Names	DPT; Dermatopontin; Tyrosine-rich acidic matrix protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by saturated ammonium sulfate precipitation followed by dialysis against PBS.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer.
Molecular Weight	24,005 Da
3D Structure	ModBase 3D Structure for Q07507
Immunogen	DPT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 52-80 amino acids from the N-terminal region of human DPT.
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-DPT antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-DPT antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-DPT antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:50-100 Applications are based on unconjugated antibody.
Related Product Information for anti-DPT antibody	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].
Product References and Citations for anti-DPT antibody	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).
Other Notes	Small volumes of anti-DPT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DPT purchase	MBS6293403 is an antibody targeting DPT. Also known as DPT, NT (DPT, Dermatopontin, Tyrosine-rich acidic matrix protein) (FITC). Reactive in Human. Host: Rabbit.



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



Immunohistochemistry (IHC) of anti-DPT antibody
DPT Antibody (N-term) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DPT. It may not necessarily be applicable to this product.

NCBI GI #	32307172
NCBI GeneID	1805
NCBI Accession #	NP_001928.2
UniProt Primary Accession #	Q07507
UniProt Secondary Accession #	Q8N4R2; Q9UIX8; A8K981
UniProt Related Accession #	Q07507
GenBank Nucleotide #	NM_001937.4
NCBI Official Full Name	dermatopontin
NCBI Official Synonym Full Names	dermatopontin
NCBI Official Symbol	DPT
NCBI Official Synonym Symbols	TRAMP
UniProt Protein Name	Dermatopontin
UniProt Synonym Protein Names	Tyrosine-rich acidic matrix protein; TRAMP
Protein Family	Dermatopontin
UniProt Gene Name	DPT
UniProt Synonym Gene Names	TRAMP
NCBI Protein Information	dermatopontin
NCBI Summary for DPT	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, Jul 2008]
UniProt Comments for DPT	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 ().
Research Articles on DPT	**1.** DPT gene silencing could effectively reduce the proliferation of MG-63 cells, slow down the cell cycle progression and promote cell apoptosis.

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