DPT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DPT, Polyclonal Antibody
Full Product Name	DPT Conjugated Antibody
Product Gene Name	anti-DPT antibody
Product Synonym Names	TRAMP
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total DPT protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	24,005 Da
3D Structure	ModBase 3D Structure for Q07507
Immunogen	Fusion protein of human DPT
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-DPT antibody	Most Applications
Application Notes for anti-DPT antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
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.
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	MBS9454936 is an antibody targeting DPT. Also known as DPT Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	21708098
NCBI GeneID	1805
NCBI Accession #	BC033736
UniProt Primary Accession #	Q07507
UniProt Secondary Accession #	Q8N4R2; Q9UIX8; A8K981
UniProt Related Accession #	Q07507
NCBI Official Full Name	Homo sapiens dermatopontin, mRNA
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
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.** Novel mutation in DPT segregates with the complete phenotype with variable expressivity in two pedigrees with autosomal dominant familial Meniere's disease.
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