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Rabbit Anti-Dermatopontin antibody

SL14282R

Product Name	Dermatopontin
Chinese Name	皮肤桥蛋白抗体
Alias	DERM_HUMAN; Dermatopontin; Dpt; TRAMP; Tyrosine rich acidic matrix protein; Tyrosine-rich acidic matrix protein.
Research Area	Signal transduction Cytoskeleton Extracellular matrix
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog, Cow, Horse, Rabbit,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	24kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Dermatopontin: 101-201/201
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product	Dermatopontin is an extracellular matrix protein with possible functions in cell-matrix

Detail

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]

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 TGFB1 activity. Inhibits cell proliferation. Accelerates collagen fibril formation, and stabilizes collagen fibrils against low-temperature dissociation.

Subcellular Location:
Secreted > extracellular space > extracellular matrix.

Tissue Specificity:
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.

Post-translational modifications:
Sulfated on tyrosine residue(s).

Similarity:
Belongs to the dermatopontin family.

SWISS:
Q07507

Gene ID:
1805

Database links:

Entrez Gene: 1805 Human

Omim: 125597 Human

SwissProt: Q07507 Human

Unigene: 80552 Human