

For Research Use Only

# Dermatopontin Polyclonal antibody

Catalog Number:10537-1-AP

Featured Product

17 Publications



## Basic Information

<b>Catalog Number:</b> 10537-1-AP	<b>GenBank Accession Number:</b> BC033736	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1805	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07507	
<b>Isotype:</b> IgG	<b>Full Name:</b> dermatopontin	
<b>Immunogen Catalog Number:</b> AG0801	<b>Calculated MW:</b> 22 kDa	
	<b>Observed MW:</b> 22 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> mouse skin tissue, rat skin tissue, human skeletal muscle tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human pancreas tissue, rat testis tissue, human testis tissue, human heart tissue
<b>Cited Species:</b> human, mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

DPT (dermatopontin) is an extracellular matrix protein belonging to the dermatopontin family. Skin appears to be the richest source of dermatopontin, comprising about 15 mg/kg of the wet weight. Expression of dermatopontin is not limited to connective tissue, as investigations show that dermatopontin mRNA is expressed in cultured fibroblasts, muscle, heart, pancreas, and lung. Dermatopontin comprises a considerable proportion of the noncollagenous extracellular matrix proteins. It is involved in promotion of cellular adhesion, extracellular matrix assembly, wound healing, and positive modification of the growth inhibition activity of TGF-beta1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Andrea J De Micheli	32877217	Am J Physiol Cell Physiol	IF
Yang Lu	34733953	Ann Transl Med	WB,IHC
Ting-Ting Zhang	29901070	Int J Oncol	WB

## Storage

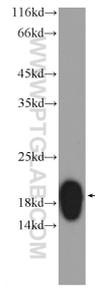
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

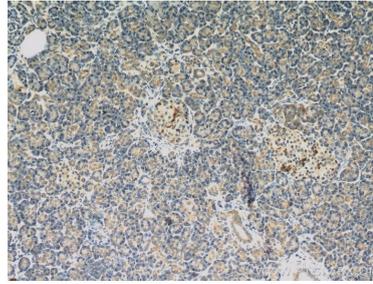
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

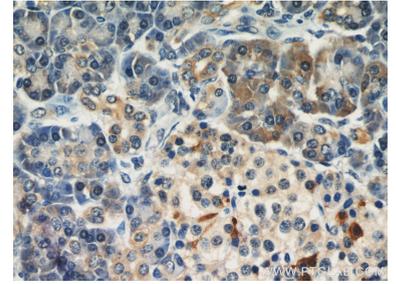
## Selected Validation Data



mouse skin tissue were subjected to SDS PAGE followed by western blot with 10537-1-AP (Dermatopontin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas using 10537-1-AP (Dermatopontin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas using 10537-1-AP (Dermatopontin antibody) at dilution of 1:50 (under 40x lens).