

For Research Use Only

# Dermatopontin Polyclonal antibody



Catalog Number: 10537-1-AP

Featured Product

12 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 µg/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>Full Name:</b> dermatopontin	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 22 kDa	
<b>Immunogen Catalog Number:</b> AG0801	<b>Observed MW:</b> 22 kDa	

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

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

**Positive Controls:**

**WB:** mouse skin tissue, rat skin tissue, human skeletal muscle tissue

**IHC:** human pancreas tissue, human heart tissue, human testis tissue, rat testis tissue

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

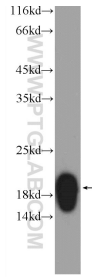
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

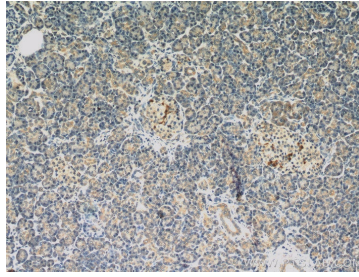
E: proteintech@ptglab.com  
W: ptglab.com

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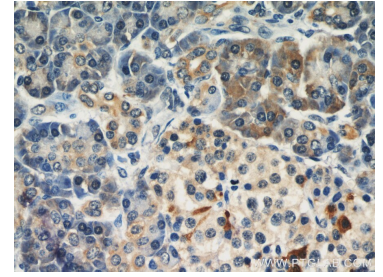
## Selected Validation Data



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).