

For Research Use Only

# SCPEP1 Polyclonal antibody

Catalog Number: 29781-1-AP



## Basic Information

<b>Catalog Number:</b> 29781-1-AP	<b>GenBank Accession Number:</b> BC072405	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 59342	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> serine carboxypeptidase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 452 aa, 51 kDa	
<b>Immunogen Catalog Number:</b> AG31396	<b>Observed MW:</b> 33-51 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse	<b>WB :</b> A431 cells, <b>IHC :</b> mouse embryo tissue,

**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

SCPEP1 encodes retinoid-inducible serine carboxypeptidase (PMID:12975309). SCPEP1 and Cathepsin A play roles in regulation of vasoconstriction via inactivation of endothelin-1 (PubMed:24586188). The protein is widely expressed during mouse embryogenesis by immunohistochemical (PubMed:16461364). Scep1 is proteolytically cleaved to a mature enzyme which is smaller than 51 kDa (PMID:16461364).

## Storage

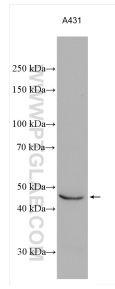
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

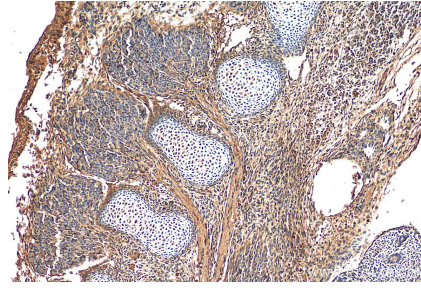
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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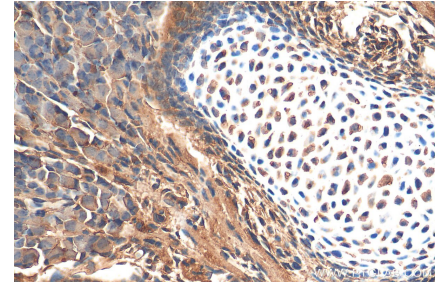
## Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 29781-1-AP (SCPEP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 29781-1-AP (SCPEP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse embryo tissue slide using 29781-1-AP (SCPEP1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).