

For Research Use Only

# ADAMTS2 Polyclonal antibody

Catalog Number: 31032-1-AP



## Basic Information

<b>Catalog Number:</b> 31032-1-AP	<b>GenBank Accession Number:</b> NM_014244	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9509	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95450	
<b>Isotype:</b> IgG	<b>Full Name:</b> ADAM metalloproteinase with thrombospondin type 1 motif, 2	
<b>Immunogen Catalog Number:</b> AG34957	<b>Calculated MW:</b> 135 kDa	
	<b>Observed MW:</b> 110-130 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> A431 cells, A375 cells, PC-3 cells, THP-1 cell, COLO 205 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse liver tissue,

## Background Information

A disintegrin and metalloproteinase with thrombospondin motifs 2 (ADAMTS-2) is a metalloproteinase that plays a key role in the processing of fibrillar procollagen precursors into mature collagen molecules by excising the amino-propeptide. ADAMTS-2 can, like the procollagen C-proteinases, be regulated by transforming growth factor- $\beta$ 1 (TGF- $\beta$ 1), with implications for mechanisms whereby this growth factor effects net increases in formation of extracellular matrix. Mutations in the ADAMTS-2 gene cause dermatosparaxis in human (dermatosparactic type of Ehlers-Danlos syndrome, also known as Ehlers-Danlos syndrome type VIIC). Human ADAMTS-2 has eight potential sites for Asn-linked glycosylation and other mammals (PMID: 16046392, 12646579).

## Storage

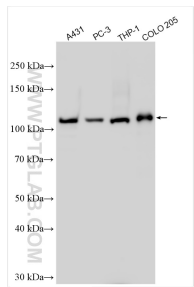
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

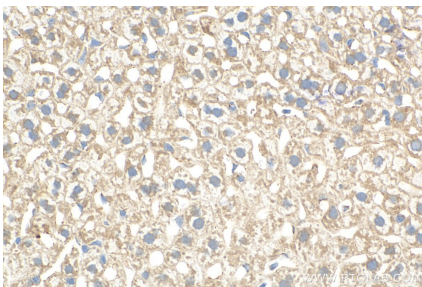
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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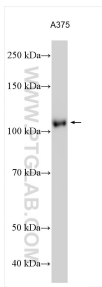
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31032-1-AP (ADAMTS2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 31032-1-AP (ADAMTS2 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 31032-1-AP (ADAMTS2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.