

For Research Use Only

# VWA1 Polyclonal antibody

Catalog Number: 14322-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 14322-1-AP	<b>GenBank Accession Number:</b> BC059409	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 64856	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6PCB0	
<b>Isotype:</b> IgG	<b>Full Name:</b> von Willebrand factor A domain containing 1	
<b>Immunogen Catalog Number:</b> AG5565	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	<b>WB :</b> T-47D cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human pancreas cancer tissue,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

VWA1 (also known as WARP) is a member of the von Willebrand factor A-domain (VA-domain) superfamily of extracellular matrix proteins which may play a role in cartilage structure and function (PMID: 12062410). VWA1 is a multimeric component of the chondrocyte pericellular matrix in articular cartilage and intervertebral disc, where it interacts with the basement membrane heparan sulfate proteoglycan perlecan (PMID: 18314316). VWA1 may have a role in maintaining the blood-brain barrier.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qin Zou	31281537	Theranostics	WB
Rebecca Craig-Schapiro	39915484	Nat Commun	IHC

## Storage

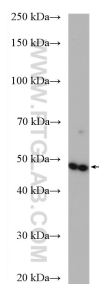
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

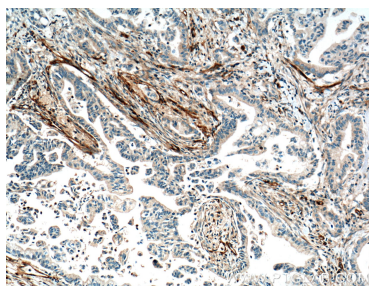
For technical support and original validation data for this product please contact:  
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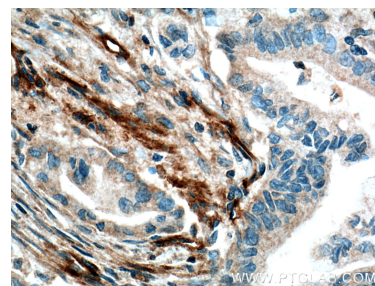
## Selected Validation Data



T-47D cells were subjected to SDS PAGE followed by western blot with 14322-1-AP (VWA1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 14322-1-AP (VWA1 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 human pancreas cancer tissue slide using 14322-1-AP (VWA1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).