

For Research Use Only

# ADAM17 Polyclonal antibody

Catalog Number: 24620-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 24620-1-AP	<b>GenBank Accession Number:</b> BC136783	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6868	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P78536	
<b>Isotype:</b> IgG	<b>Full Name:</b> ADAM metallopeptidase domain 17	
<b>Immunogen Catalog Number:</b> AG18273	<b>Calculated MW:</b> 824 aa, 93 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : U-937 cells, IHC : human pancreas cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> 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

The ADAMs (A Disintegrin And Metalloprotease) are multidomain transmembrane proteins. One of the first ADAMs implicated in membrane shedding is ADAM-17, which is shown to release the active form of tumor necrosis factor (TNF)-α from its precursor (PMID:18238782). ADAM17 is also named as CSVP, TACE. The full length protein has 9 glycosylation sites, a signal peptide, propeptide and 2 isoforms produced by alternative splicing. The 120-kDa form of ADAM-17 is expressed more frequently and at higher levels in primary breast carcinomas compared with normal breast tissue (PMID:17438092).

## Notable Publications

Author	Pubmed ID	Journal	Application
Erik Klapproth	36496449	Nat Commun	WB
Hongtao Shi	34370360	Cell Biol Int	WB
Cheng-Kan Liu	38973142	FEBS J	WB

## Storage

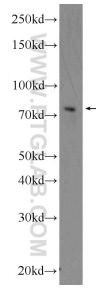
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

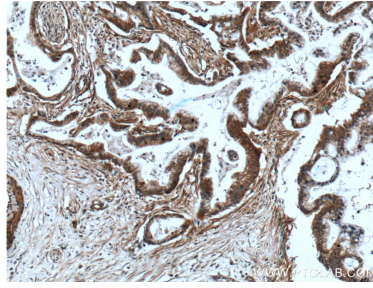
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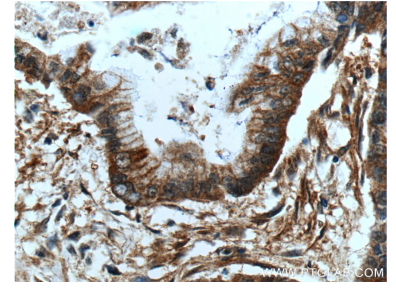
## Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 24620-1-AP (ADAM17 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 24620-1-AP (ADAM17 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 24620-1-AP (ADAM17 Antibody) at dilution of 1:200 (under 40x lens).