

For Research Use Only

# ADAM17-Specific Polyclonal antibody



Catalog Number: 20259-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 20259-1-AP	<b>GenBank Accession Number:</b> NM_003183	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 227 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>Full Name:</b> ADAM metalloproteinase domain 17	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 93 kDa	
	<b>Observed MW:</b> 29 kDa	

## Applications

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

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). The excess mass at 29 kDa predicted for unglycosylated catalytic domain (PMID: 17169570). This antibody is specific to ADAM17.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Li	30569104	Int J Mol Med	WB,IHC

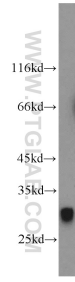
## Storage

**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

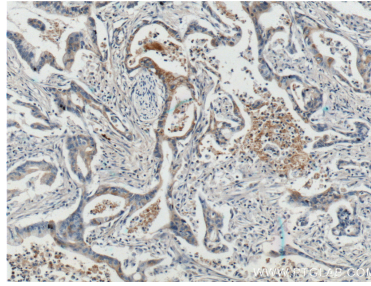
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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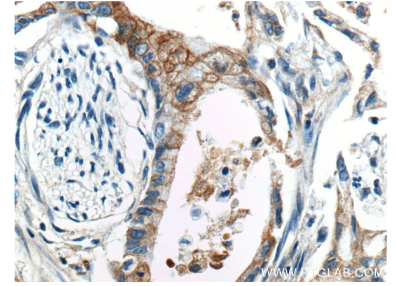
## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 20259-1-AP (ADAM17-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20259-1-AP (ADAM17-Specific Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 20259-1-AP (ADAM17-Specific Antibody) at dilution of 1:200 (under 40x lens).