

For Research Use Only

# ADAM17 Recombinant antibody

Catalog Number: 84292-4-RR



## Basic Information

<b>Catalog Number:</b> 84292-4-RR	<b>GenBank Accession Number:</b> BC136783	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6868	<b>CloneNo.:</b> 241305A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P78536	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> ADAM metalloproteinase domain 17	
<b>Immunogen Catalog Number:</b> AG32418	<b>Calculated MW:</b> 824 aa, 93 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, HCT 116 cells, HUVEC cells, SW480 cells, HeLa cells, RAW 264.7 cells
<b>Species Specificity:</b> human, mouse	

## 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)- $\alpha$  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).

## 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

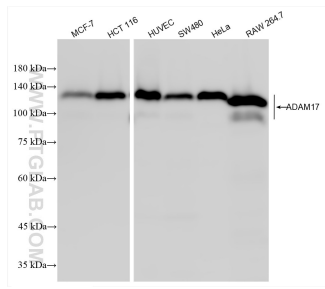
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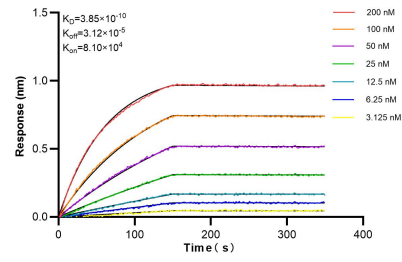
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84292-4-RR (ADAM17 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84292-4-RR against Human ADAM17 were performed. The affinity constant is 0.385 nM.