

ADAM17-Specific Polyclonal antibody

Catalog Number: 20259-1-AP

2 Publications

Basic Information

Catalog Number:

20259-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003183

GeneID (NCBI):

6868

UNIPROT ID:

P78536

Full Name:

ADAM metalloproteinase domain 17

Calculated MW:

93 kDa

Observed MW:

29 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human placenta tissue,

IHC : human pancreas cancer tissue,

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
Jonathan S. Kurche	36291184	Cells	IF
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

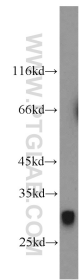
For technical support and original validation data for this product please contact:

T: 4006900926

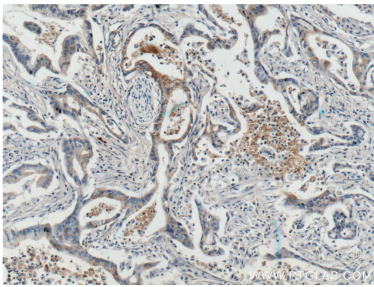
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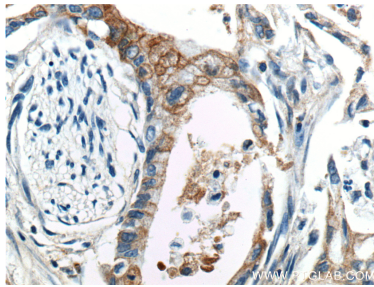
Selected Validation Data



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).