

For Research Use Only

# ADAM8 Polyclonal antibody

Catalog Number: 23778-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

23778-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG17262

### GenBank Accession Number:

BC115404

### GeneID (NCBI):

101

### UNIPROT ID:

P78325

### Full Name:

ADAM metalloproteinase domain 8

### Calculated MW:

824 aa, 89 kDa

### Observed MW:

65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

**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 : BxPC-3 cells, mouse pancreas tissue

IHC : human tonsillitis tissue, human pancreas tissue

## Background Information

ADAMs are a large family of transmembrane proteins that are involved in proteolysis, making them candidates for mediating the remodeling of the extracellular matrix (ECM). ADAM8, one of the members of the ADAM family, is overexpressed in various human tumors. It has been shown previously that hypoxia influences the expression of some ADAM proteins. The protein found to be expressed in two active forms (90 kDa and 60 kDa): potential shedding protein and remnant protein in the pancreatic tissues under chronic pancreatitis and pancreatic cancer (PMID:18566576). The full length protein has a signal peptide and four glycosylation sites. This antibody is specific to ADAM8.

## Notable Publications

| Author          | Pubmed ID | Journal           | Application |
|-----------------|-----------|-------------------|-------------|
| Zhen-Huang Chen | 32918999  | Mol Cell Neurosci | IHC         |
| Xiaojin Liu     | 36230833  | Cancers (Basel)   | WB, IHC     |
| Lixia Yao       | 34615811  | Exp Anim          | 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

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

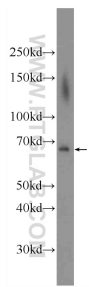
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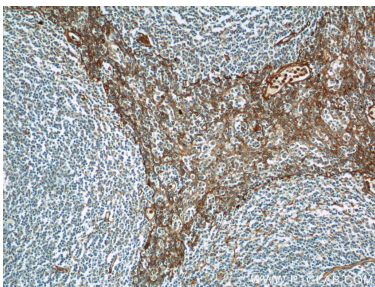
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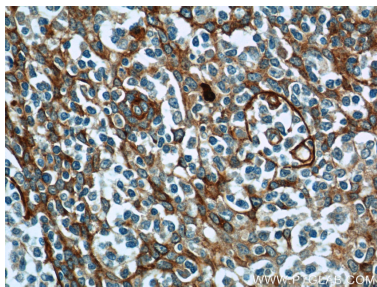
Selected Validation Data



BxPC-3 cells were subjected to SDS PAGE followed by western blot with 23778-1-AP (ADAM8 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 23778-1-AP (ADAM8 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 23778-1-AP (ADAM8 Antibody) at dilution of 1:50 (under 40x lens).