

For Research Use Only

ADAM8 Polyclonal antibody

Catalog Number: 23778-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

23778-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17262

GenBank Accession Number:

BC115404

GeneID (NCBI):

101

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:

IHC, WB, ELISA

Cited Applications:

IHC, IP, WB

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

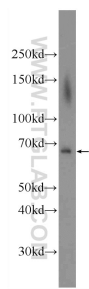
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

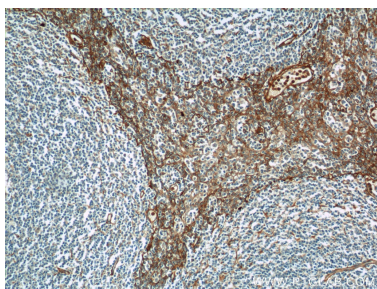
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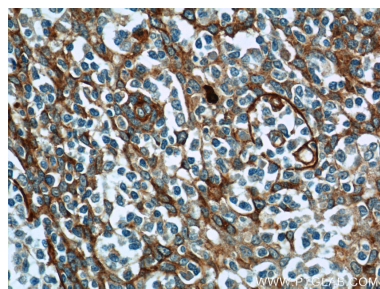
Selected Validation Data



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).