

For Research Use Only

# ADAM11 Polyclonal antibody

Catalog Number: 32970-1-AP



## Basic Information

<b>Catalog Number:</b> 32970-1-AP	<b>GenBank Accession Number:</b> NM_001318933	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4185	<b>Recommended Dilutions:</b> WB: 1:500-1:1000 IHC: 1:50-1:500 IF/ICC: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75078	
<b>Isotype:</b> IgG	<b>Full Name:</b> ADAM metallopeptidase domain 11	
<b>Immunogen Catalog Number:</b> AG35877	<b>Calculated MW:</b> 83kDa	
	<b>Observed MW:</b> 83 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human, mouse, rat

**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 : rat brain tissue, rat cerebellum tissue

IHC : mouse lung tissue,

IF/ICC : NIH/3T3 cells,

## Background Information

ADAM11 (A Disintegrin And Metalloprotease 11) is a non-catalytic, transmembrane member of the ADAM family. Although it retains the prototypical multi-domain architecture (signal peptide - pro-domain - metalloprotease-like - disintegrin - cysteine-rich - EGF-like - TM - cytoplasmic tail), it lacks the consensus HEXGHXXGXXHD zinc-binding motif, rendering it proteolytically inactive. Instead, ADAM11 functions as a cell-adhesion and signalling scaffold. (PMID: 31236626)

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

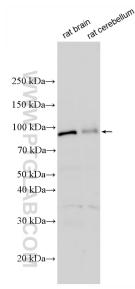
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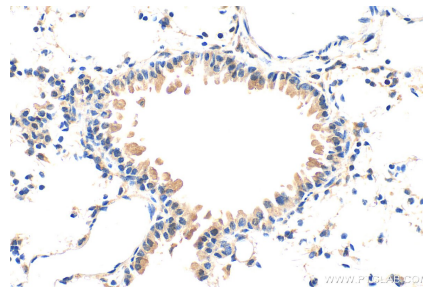
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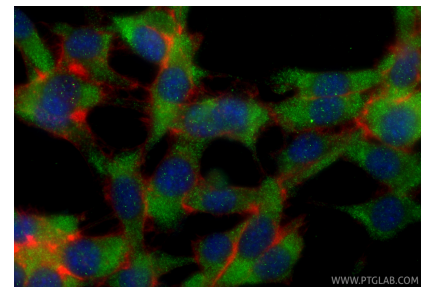
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32970-1-AP (ADAM11 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 32970-1-AP (ADAM11 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using ADAM11 antibody (32970-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).