

For Research Use Only

# ADC Monoclonal antibody

Catalog Number: 67884-1-Ig



## Basic Information

<b>Catalog Number:</b> 67884-1-Ig	<b>GenBank Accession Number:</b> BC028128	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 113451	<b>CloneNo.:</b> 1A2B11
<b>Source:</b> Mouse	<b>Full Name:</b> arginine decarboxylase	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 460 aa, 50 kDa	
<b>Immunogen Catalog Number:</b> AG31049	<b>Observed MW:</b> 48-50 kDa	

## Applications

### Tested Applications:

IF, WB, ELISA

### Species Specificity:

Human, mouse, pig, rat

### Positive Controls:

**WB :** HEK-293T cells, HeLa cells, mouse brain tissue, mouse cerebellum tissue, rat cerebellum tissue, HEK-293 cells, pig brain tissue

**IF :** A431 cells,

## Background Information

Antizyme inhibitor 2 (AZIN2) is a member of the antizyme inhibitor family, which is able to bind to AZs and inhibit their action on both ODC activity and polyamine uptake. AZIN2 is predominantly expressed in the brain and testis and localized in the endoplasmic reticulum-golgi intermediate compartment. Available data suggest its role in cell growth, spermiogenesis, vesicular trafficking and secretion. Accumulation of azin2 has also been observed in brains of patients with Alzheimer's disease (PMID: 19832840). AZIN2 has 5 described isoforms produced by alternative splicing. The molecular weight of AZIN2 is about 50 kDa.

## 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

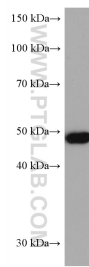
For technical support and original validation data for this product please contact:

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

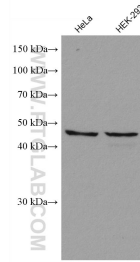
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

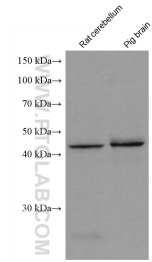
## Selected Validation Data



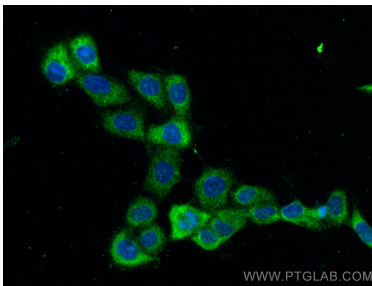
HEK-293T cells were subjected to SDS PAGE followed by western blot with 67884-1-Ig (ADC antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67884-1-Ig (ADC antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67884-1-Ig (ADC antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using ADC antibody (67884-1-Ig, Clone: 1A2B11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).