

For Research Use Only

# Antizyme inhibitor 1 Polyclonal antibody



Catalog Number: 11548-1-AP

12 Publications

## Basic Information

<b>Catalog Number:</b> 11548-1-AP	<b>GenBank Accession Number:</b> BC019279	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51582	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:20-1:200 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> antizyme inhibitor 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 49.5 kDa	
<b>Immunogen Catalog Number:</b> AG2082	<b>Observed MW:</b> 50 kDa	

## Applications

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

**Cited Applications:**  
IF, IHC, WB

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

**Cited Species:**  
human, rat, 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:** A549 cells, HepG2 cells, NCI-H1299 cells, PC-3 cells

**IHC:** human gliomas tissue, human liver tissue

**IF:** HepG2 cells,

## Background Information

AZIN1(Antizyme inhibitor 1) is also named as OAZI, OAZIN and belongs to the Orn/Lys/Arg decarboxylase class-II family. It catalyzes the conversion of ornithine to putrescine in the first and apparently rate-limiting step in polyamine biosynthesis, and playing a role in the regulation of polyamine synthesis (negative regulator of cellular polyamines).

## Notable Publications

Author	Pubmed ID	Journal	Application
Anna Bianchi-Smiraglia	30198908	J Clin Invest	WB
Lichan Tao	27698941	Theranostics	WB
Leng Han	26439496	Cancer Cell	WB

## 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

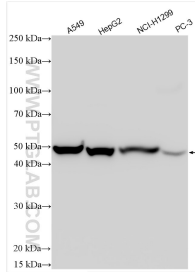
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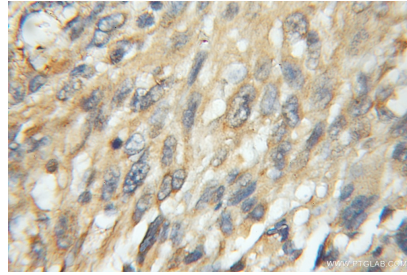
E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11548-1-AP (Antizyme inhibitor 1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11548-1-AP (Antizyme inhibitor 1 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Antizyme inhibitor 1 antibody (11548-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).