

For Research Use Only

Antizyme inhibitor 1 Polyclonal antibody



Catalog Number: 11548-1-AP

7 Publications

Basic Information

Catalog Number: 11548-1-AP	GenBank Accession Number: BC019279	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51582	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:200 IF 1:10-1:100
Source: Rabbit	Full Name: antizyme inhibitor 1	
Isotype: IgG	Calculated MW: 49.5 kDa	
Immunogen Catalog Number: AG2082	Observed MW: 50 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB: human liver tissue, HEK-293 cells, HepG2 cells, mouse liver tissue, PC-3 cells IHC: human gliomas tissue, human liver tissue IF: HepG2 cells,
Cited Applications: IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: 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	

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

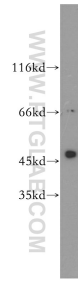
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

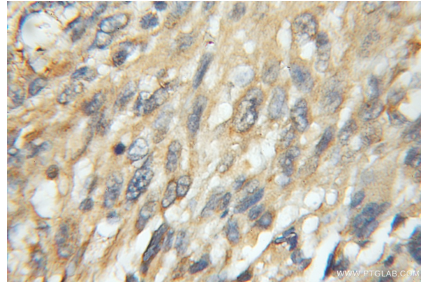
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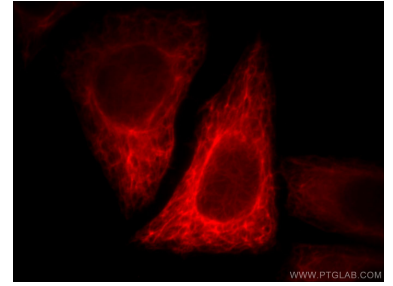
Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 11548-1-AP (Antizyme inhibitor 1 antibody) at dilution of 1:500 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 HepG2 cells, using AZIN1 antibody 11548-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).