

For Research Use Only

# AMZ1 Polyclonal antibody

Catalog Number: 24484-1-AP



## Basic Information

<b>Catalog Number:</b> 24484-1-AP	<b>GenBank Accession Number:</b> BC146753	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 155185	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> archaelysin family metallopeptidase 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 498 aa, 55 kDa	
<b>Immunogen Catalog Number:</b> AG20248	<b>Observed MW:</b> 33 kDa, 28 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, 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:** mouse liver tissue, mouse brain tissue, rat brain tissue

**IHC:** human heart tissue,

**IF:** HepG2 cells,

## Background Information

AMZ1, also named as KIAA1950, is a new human Zinc metalloproteases. It exhibits aminopeptidase activity against neurogranin in vitro. AMZ1 does not hydrolyze angiotensin-2. It is mainly detected in liver and heart. AMZ1 has some isoforms with MW 55 kDa, 33 kDa, 30 kDa and 28 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**

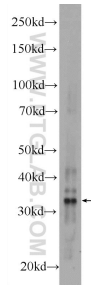
For technical support and original validation data for this product please contact:

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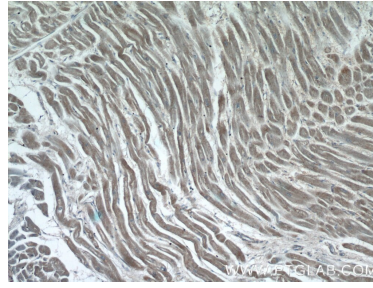
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W: ptglab.com

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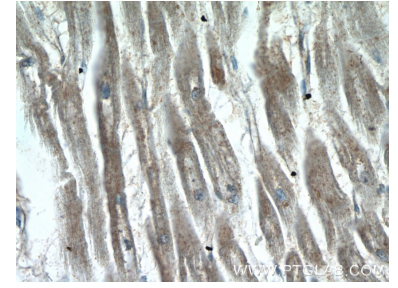
## Selected Validation Data



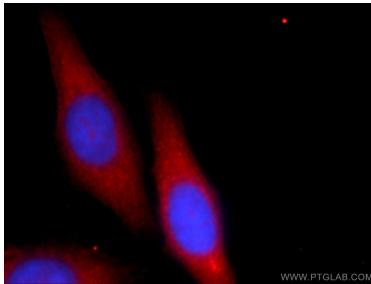
mouse liver tissue were subjected to SDS PAGE followed by western blot with 24484-1-AP (AMZ1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24484-1-AP (AMZ1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 24484-1-AP (AMZ1 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 24484-1-AP (AMZ1 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.