

# Zinc Alpha 2 Glycoprotein Polyclonal antibody

Catalog Number: 13399-1-AP

5 Publications

## Basic Information

## Catalog Number:

13399-1-AP

## Size:

400 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG4232

## GenBank Accession Number:

BC033830

## GeneID (NCBI):

563

## UNIPROT ID:

P25311

## Full Name:

alpha-2-glycoprotein 1, zinc-binding

## Calculated MW:

298 aa, 34 kDa

## Observed MW:

41 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## Cited Applications:

WB, IHC

## Species Specificity:

human, mouse

## Cited Species:

human

**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 : human plasma, MCF-7 cells

IHC : mouse liver tissue, human breast cancer tissue

IF/ICC : HepG2 cells, PC-3 cells

## Background Information

Zinc-alpha-2-glycoprotein (AZGP1) is a 41-kDa soluble protein normally found in body fluids, functions as a lipid mobilizing factor (PMID: 19188554). It is known to be expressed in the secretory epithelia of the liver, lung, breast, GI tract and sweat glands, sharing significant structural similarity with the class I major histocompatibility complex (MHC) antigens (PMID: 3422450). AZGP1 is involved in carcinogenesis and differentiation. Altered expression of AZGP1 has been reported in breast cancer, prostate cancer and lung adenocarcinoma, hepatocellular carcinoma, pancreatic carcinoma and oral tumors (PMID: 22625427).

## Notable Publications

Author	Pubmed ID	Journal	Application
Christoph Burdelski	26383228	Int J Cancer	IHC
Huang Yan Y	22625427	J Transl Med	IHC
Miroslav Balaz	24753506	Obesity (Silver Spring)	IHC

## 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

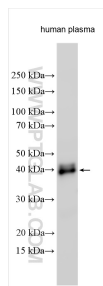
For technical support and original validation data for this product please contact:

T: 4006900926

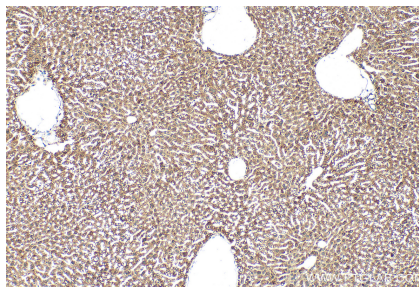
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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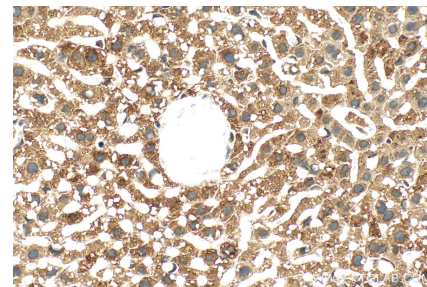
## Selected Validation Data



human plasma was subjected to SDS PAGE followed by western blot with 13399-1-AP (Zinc Alpha 2 Glycoprotein antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 13399-1-AP (Zinc Alpha 2 Glycoprotein antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 13399-1-AP (Zinc Alpha 2 Glycoprotein 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 HepG2 cells using Zinc Alpha 2 Glycoprotein antibody (13399-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).