For Research Use Only

Zinc Alpha 2 Glycoprotein Polyclonal antibody

Catalog Number:13399-1-AP

5 Publications

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Basic Information

Catalog Number:
13399-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;

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

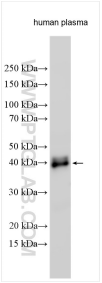
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

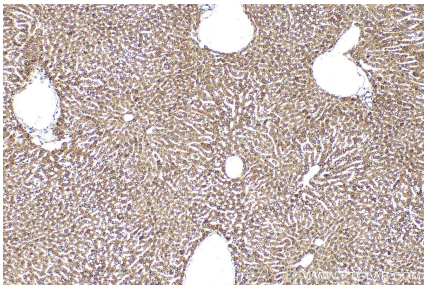
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

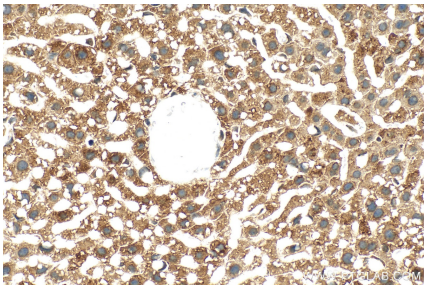
Selected Validation Data



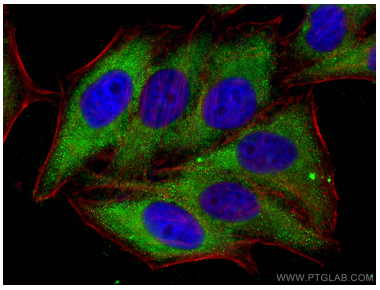
human plasma was subjected to SDS PAGE followed by western blot with 13399-1-AP (Zinc Alpha 2 Glycoprotein antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).