

Hemopexin Monoclonal antibody

Catalog Number: 66479-1-Ig 1 Publications

Basic Information

Catalog Number:

66479-1-Ig

Size:

1700 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG8533

GenBank Accession Number:

BC005395

GeneID (NCBI):

3263

UNIPROT ID:

P02790

Full Name:

hemopexin

Calculated MW:

254 aa, 29 kDa

Observed MW:

65-75 kDa

Purification Method:

Protein G purification

CloneNo.:

3A9D6

Recommended Dilutions:

WB 1:5000-1:40000

IHC 1:250-1:1000

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, FC (Intra), ELISA

Cited Applications:

IF

Species Specificity:

human, rat, pig

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 tissue, human placenta tissue, rat serum tissue, pig plasma tissue

IHC : human liver tissue, human placenta tissue

IF-P : human liver cancer tissue,

Background Information

Hemopexin (HPX) is the plasma protein responsible for scavenging heme, thus preventing heme-mediated oxidative stress and heme-bound iron loss. In addition, hemopexin blocks heme activation of immune receptors and vascular inflammatory processes. It is mainly expressed in liver, the synthesis of which is induced after inflammation. Alterations of plasma hemopexin level have been linked to disorders like atherosclerosis and inflammatory diseases.

Notable Publications

Author	Pubmed ID	Journal	Application
Emna Ouni	35341935	Matrix Biol	IF

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

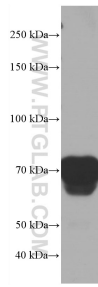
For technical support and original validation data for this product please contact:

T: 4006900926

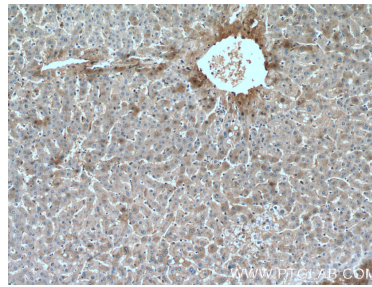
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

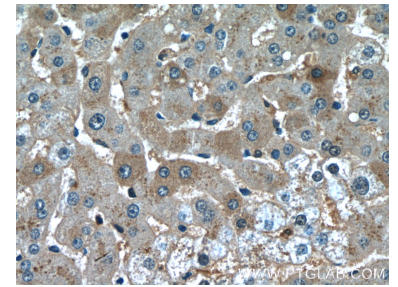
Selected Validation Data



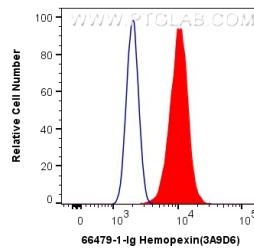
0.7 μ L human plasma was subjected to SDS PAGE followed by western blot with 66479-1-Ig (Hemopexin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



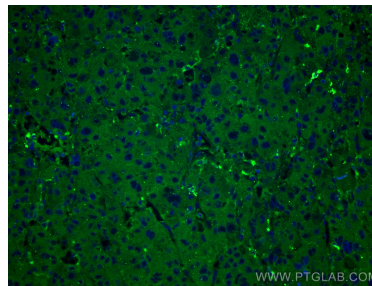
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66479-1-Ig (Hemopexin antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66479-1-Ig (Hemopexin antibody) at dilution of 1:500 (under 40x lens).



1X10⁶ HepG2 cells were intracellularly stained with 0.5 μ g Anti-Human Hemopexin (66479-1-Ig, Clone:3A9D6) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using Hemopexin antibody (66479-1-Ig, Clone: 3A9D6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).