For Research Use Only

Hemopexin Monoclonal antibody

Catalog Number:66479-1-Ig 1 Publications

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Basic Information

Catalog Number:
66479-1-Ig

Size:
150ul , Concentration: 1700 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG8533

GenBank Accession Number:
BC005395

GeneID (NCBI):
3263

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 1:200-1:800

Applications

Tested Applications:
FC, IF, IHC, WB, 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 : 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

*** 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
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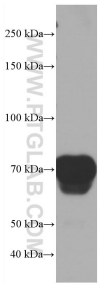
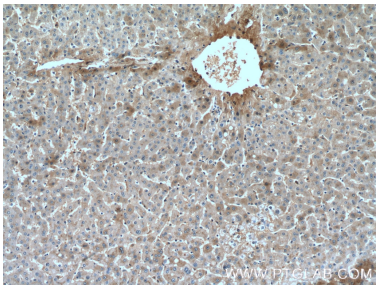
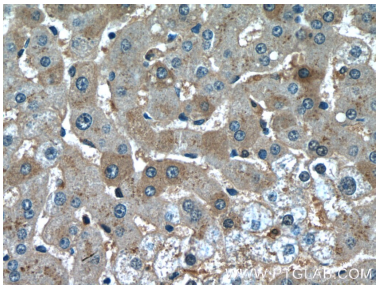
Selected Validation Data



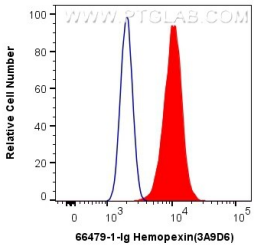
0.7 µL human plasma was subjected to SDS PAGE followed by western blot with 66479-1-Ig (Hemopexin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



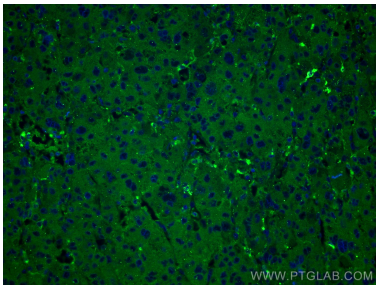
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66479-1-Ig (Hemopexin antibody) at dilution of 1:500 (under 10x lens).



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



1X10^6 HepG2 cells were intracellularly stained with 0.5 ug 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 ug 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).