

For Research Use Only

# Hemopexin Monoclonal antibody

Catalog Number: 66479-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66479-1-Ig	<b>GenBank Accession Number:</b> BC005395	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3263	<b>CloneNo.:</b> 3A9D6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P02790	<b>Recommended Dilutions:</b> WB: 1:5000-1:40000 IHC: 1:250-1:1000 IF-P: 1:200-1:800 FC (Intra): 0.50 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG1	<b>Full Name:</b> hemopexin	
<b>Immunogen Catalog Number:</b> AG8533	<b>Calculated MW:</b> 254 aa, 29 kDa	
	<b>Observed MW:</b> 65-75 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, FC (Intra), ELISA	<b>Positive Controls:</b> 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, FC (Intra) : HepG2 cells,
<b>Cited Applications:</b> IF	
<b>Species Specificity:</b> human, rat, pig	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

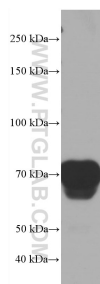
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

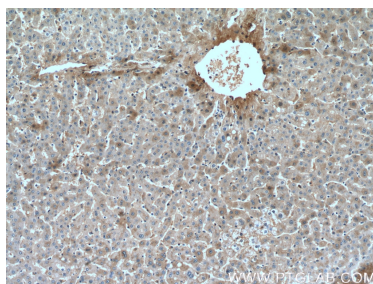
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

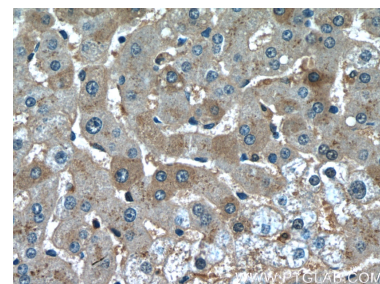
## Selected Validation Data



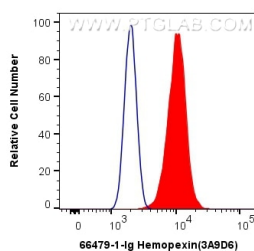
0.7  $\mu$ L human plasma was subjected to SDS PAGE followed by western blot with 66479-1-Ig (Hemopexin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



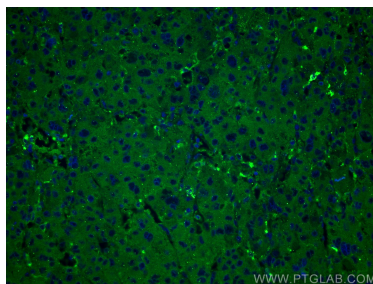
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66479-1-Ig (Hemopexin antibody) at dilution of 1:500 (under 10x lens).



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



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.5  $\mu$ g Anti-Human Hemopexin (66479-1-Ig, Clone:3A9D6) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5  $\mu$ 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 Goat Anti-Mouse IgG(H+L).