

For Research Use Only

# Hemopexin Monoclonal ANTIBODY



Catalog Number: 66479-1-Ig

## Basic Information

Catalog Number:

66479-1-Ig

Size:

150UL, Concentration: 1000 µg/ml by 3263

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

## Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human, rat, pig

**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

## 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.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

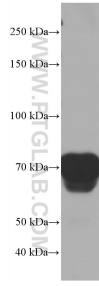
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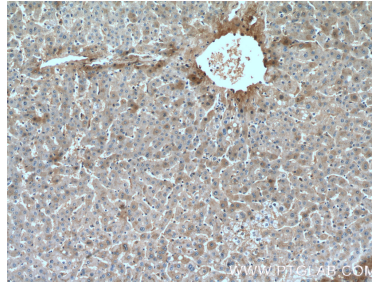
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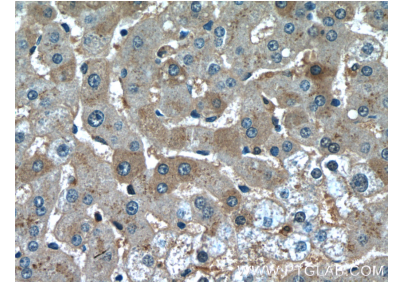
## Selected Validation Data



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).