

## Recombinant Heme Oxygenase 1 Monoclonal Antibody

catalog number: **AN301794L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

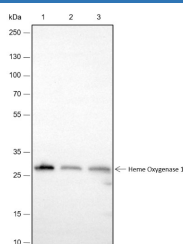
### Description

<b>Reactivity</b>	Human;Rat;Mouse
<b>Immunogen</b>	Recombinant human Heme Oxygenase 1 fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A506
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

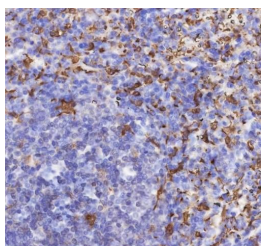
<b>WB</b>	1:2000-1:20000
<b>IHC</b>	1:1000-1:2000
<b>IF</b>	1:50
<b>FCM</b>	1:50-1:100
<b>IP</b>	1:25-1:100

### Data

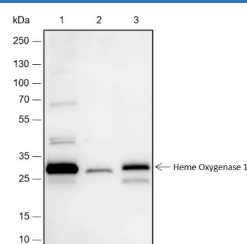


Western Blot with Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:20000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: HepG2

**Observed-MW:32 kDa**  
**Calculated-MW:32 kDa**

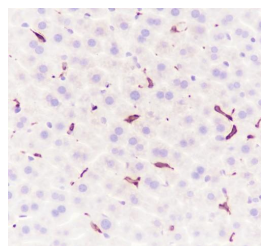


Immunohistochemistry of paraffin-embedded Human spleen using Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:1000.



Western Blot with Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:20000. Lane 1: NIH/3T3, Lane 2: BRL, Lane 3: Mouse kidney

**Observed-MW:32 kDa**  
**Calculated-MW:32 kDa**



Immunohistochemistry of paraffin-embedded Mouse liver using Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:2000.

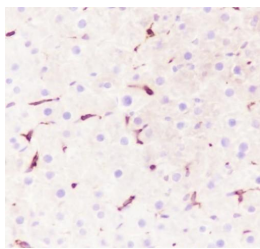
### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

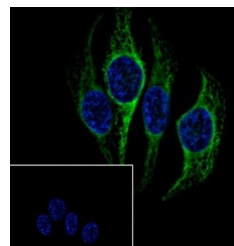
Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

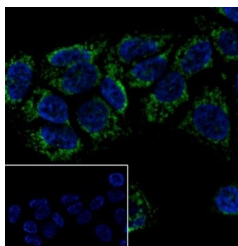
Rev. V1.1



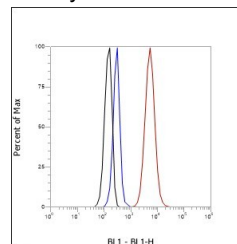
Immunohistochemistry of paraffin-embedded Rat liver using Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:2000.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed MCF7 cells using anti-Heme Oxygenase 1 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human Heme Oxygenase 1 expression on HeLa cells. Cells were stained with purified anti-Human Heme Oxygenase 1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

## Preparation & Storage

### Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

### Shipping

Ice bag

## Background

Heme oxygenase 1 cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed.

## For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.1