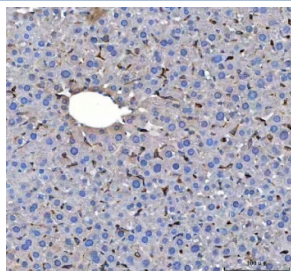


## Heme Oxygenase 1 Antibody / HO-1 / HMOX1 (R31511)

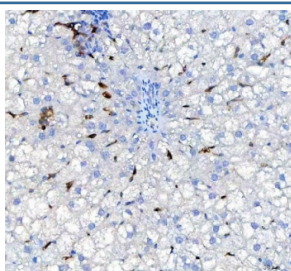
Catalog No.	Formulation	Size
R31511	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

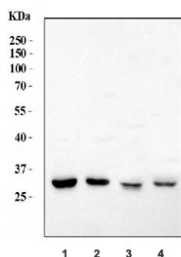
<b>Availability</b>	Discontinued
<b>Species Reactivity</b>	Mouse, Rat
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>Gene ID</b>	15368
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This Heme Oxygenase 1 antibody is available for research use only.



IHC staining of FFPE mouse liver tissue with Heme Oxygenase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver tissue with Heme Oxygenase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat PC-12, 2) mouse spleen, 3) mouse RAW264.7 and 4) mouse NIH 3T3 cell lysate with Heme Oxygenase 1 antibody. Predicted molecular weight ~32 kDa.

## Description

Heme oxygenase 1, also called HMOX1 and HO-1, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. HO-1 activity is induced by its substrate heme and by various nonheme substances.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Heme Oxygenase 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Mouse partial recombinant protein (AA 2-261) was used as the immunogen for this Heme Oxygenase 1 antibody.

## Storage

After reconstitution, the Heme Oxygenase 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.