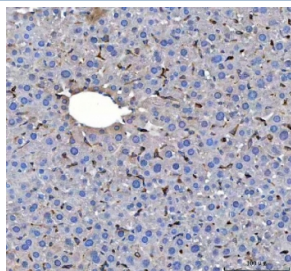


## Heme Oxygenase 1 Antibody / HO-1 / HMOX1 (R31511)

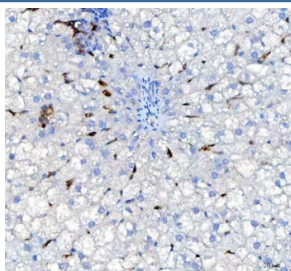
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R31511      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

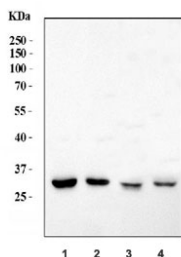
|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Availability</b>       | Discontinued                                                        |
| <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<br>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.