

For Research Use Only

HO-1/Hmox1 Polyclonal antibody

Catalog Number: 31253-1-AP



Basic Information

Catalog Number:

31253-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0938

GenBank Accession Number:

NM_010442.2

GeneID (NCBI):

15368

UNIPROT ID:

P14901

Full Name:

heme oxygenase (decycling) 1

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : J774A.1 cells, RAW 264.7 cells, RAW 264.7 cells
mouse kidney tissue mouse liver tissue

Background Information

Heme Oxygenase-1 (HO-1) is a stress-inducible enzyme that plays a crucial role in cellular and tissue homeostasis. It is the rate-limiting enzyme responsible for the oxidative degradation of heme, producing carbon monoxide (CO), free iron, and biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. These byproducts have significant biological activities, contributing to HO-1's anti-inflammatory, cytoprotective, and immunomodulatory effects. (PMID: 33923744)

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

For technical support and original validation data for this product please contact:

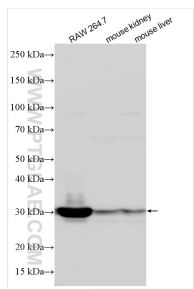
T: 4006900926

E: Proteintech-CN@ptglab.com

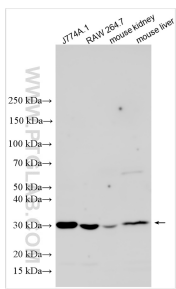
W: ptgcn.com

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Selected Validation Data



RAW 264.7 cells were subjected to SDS PAGE followed by western blot with 31253-1-AP (HO-1/Hmox1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 31253-1-AP (HO-1/Hmox1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.