



Mouse Monoclonal Antibody **HO-1** conjugated to Sepharose Beads

CatalogNo: **ANT8337-M**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

HO-1 (ANT0011R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species

- Rabbit
- Human, Mouse, Rat,

Reactivity

- WB, IHC, IF, IP, ELISA

Applications

MW

- 33kD (Calculated)
 - IgG, Kappa
- 33kD (Observed)

Isotype

Recommended Dilution Ratios

IP

Basic Information

Clonality

Monoclonal

Clone Number

ANT0011R

Immunogen Information

Specificity

Endogenous

Gene name

HMOX1 HO HO1

Protein Name

HO-1

Organism	Gene ID	UniProt ID
Human	3162 ;	P09601 ;
Mouse	15368 ;	P14901 ;
Rat	24451 ;	P06762 ;

Cellular

Endoplasmic reticulum membrane

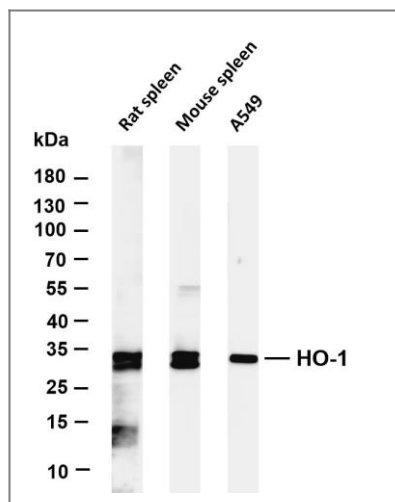
Tissue specificity

Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level).

Function

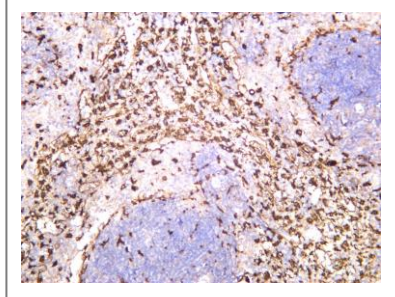
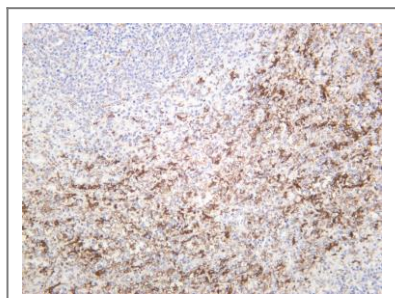
Catalytic activity:Heme + 3 AH(2) + 3 O(2) = biliverdin + Fe(2+) + CO + 3 A + 3 H(2)O.,Function:Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed.,induction:Heme oxygenase 1 activity is highly inducible by its substrate heme and by various non-heme substances
such as heavy metals, bromobenzene, endotoxin, oxidizing agents and UVA.,similarity:Belongs to the heme oxygenase family.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HO-1 (ANT0011R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat spleen Lane 2: Mouse spleen Lane 3: A549 Predicted band size: 33kDa Observed band size: 33kDa

Human spleen was stained with anti-HO-1 (ANT0011R) rabbit antibody



Rat spleen was stained with anti-HO-1 (ANT0011R) rabbit antibody

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