Product Name: Heme Oxygenase 1 (1F4) Rabbit Monoclonal Antibody
Catalog #: AMRe11973

Summary

Production Name	Heme Oxygenase 1 (1F4) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	HMOX1
Alternative Names	HO-1; HSP32; HMOX1;
Gene ID	3162.0
SwissProt ID	P09601.A synthetic peptide of human Heme Oxygenase 1

Application

Dilution Ratio	WB: 1:1000-1:5000
Molecular Weight	33kDa

Background

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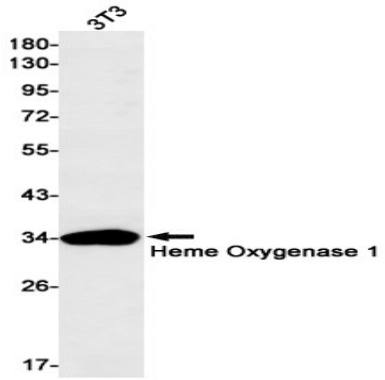
Hemeoxygenase (HO) is the rate-limiting enzyme in the catabolism of heme that results in the release of carbon monoxide, iron, and biliverdin. The products of this enzymatic reaction play important biological roles in antioxidant, anti-inflammatory and cytoprotective functions. Hemeoxygenase comprises two isozymes, including the constitutively expressed HO-2 isozyme and the inducible HO-1 isozyme. 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 sequestrated and destroyed. Exhibits cytoprotective effects since excess of free heme sensitizes cells to undergo apoptosis.

Research Area

Image Data



Western blot detection of Heme Oxygenase 1 in 3T3 cell lysates using Heme Oxygenase 1 antibody(1:1000 diluted).

Note

For research use only.