



HO-1 Mouse mAb

Catalog No	YP-mAb-18677
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HMOX1 HO HO1
Immunogen	
Specificity	Endogenous
Formulation	PBS+50% +0.05% Proclin 300+0.05%BSA
Source	
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	32 kD;bK286B1;D8Wsu38e;heat shock protein 32 kD;heat shock protein 32kD; Heat shock protein;Heme oxygenase (decycling) 1;Heme oxygenase 1;Hemox; HMOX 1;Hmox;Hmox1;HMOX1_HUMAN;HO 1;HO;HO-1;HO1;Hsp32;HMOX1 HO HO1;HO-1(Heme Oxygenase 1)
Observed Band	33kD
Calculated Molecular Weight	33 kDa; 33kD(Calculated).
Cell Pathway	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.,



Background

heme oxygenase 1(HMOX1) Homo sapiens Heme oxygenase, 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. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. [provided by RefSeq, Jul 2008],

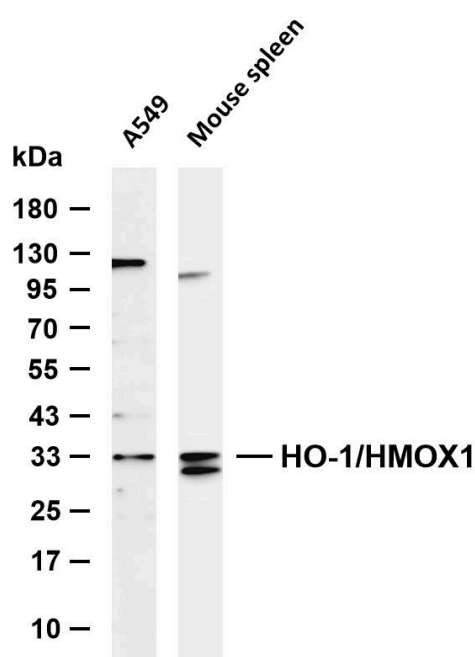
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HO-1/HMOX1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: Mouse spleen Predicted band size: 33kDa Observed band size: 33kDa