

ARG43338 anti-Heme Oxygenase 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Heme Oxygenase 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Heme Oxygenase 1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-288 of Human Heme Oxygenase 1 (NP_002124.1).
Conjugation	Un-conjugated
Alternate Names	bK286B10; Heme oxygenase 1; HO-1; EC 1.14.99.3; HMOX1D; HSP32

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse spleen	
Observed Size	~ 30 kDa	

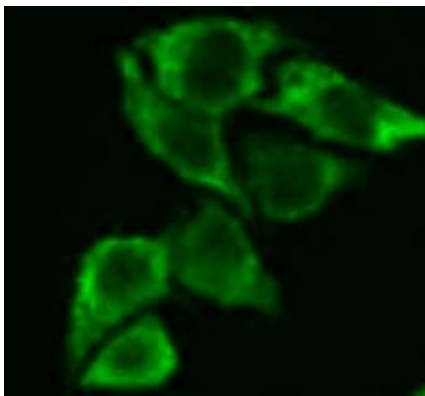
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

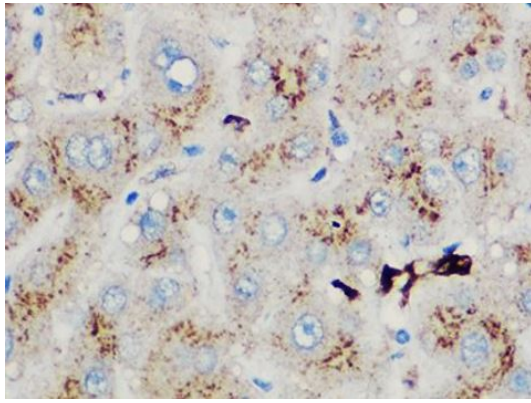
Gene Symbol	HMOX1
Gene Full Name	heme oxygenase 1
Background	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced 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]
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. Exhibits cytoprotective effects since excess of free heme sensitizes cells to undergo apoptosis. [UniProt]
Highlight	Related products: Heme Oxygenase 1 antibodies ; Heme Oxygenase 1 ELISA Kits ; Heme Oxygenase 1 Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: Keap1-Nrf2-ARE antibody panel is launched
Calculated Mw	33 kDa
Cellular Localization	Microsome. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. [UniProt]

Images



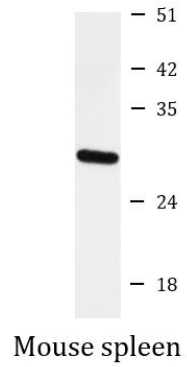
ARG43338 anti-Heme Oxygenase 1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG43338 anti-Heme Oxygenase 1 antibody at 1:100 dilution.



ARG43338 anti-Heme Oxygenase 1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG43338 anti-Heme Oxygenase 1 antibody at 1:100 dilution.



ARG43338 anti-Heme Oxygenase 1 antibody WB image

Western blot: 25 µg of Mouse spleen lysate stained with ARG43338 anti-Heme Oxygenase 1 antibody at 1:1000 dilution.