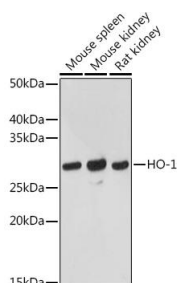
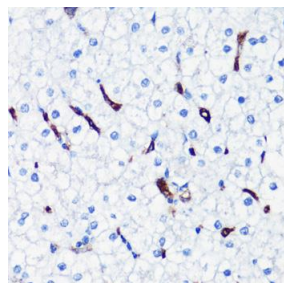


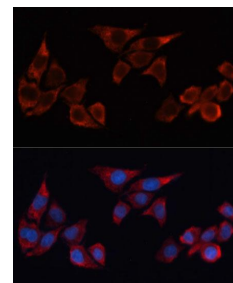
Cat. No:	AB-83999
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-288 of human HO-1
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	32kDa
Purification:	Aff. Pur.
Synonyms:	HO-1;HMOX1D;HO-1;HSP32;bK286B10
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.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of various cell lines, using HO-1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin embedded human liver using HO-1 antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of HeLa cells using HO-1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Detection: ECL West Pico Plus
Exposure time: 10s.



Review for HO-1 Rabbit Polyclonal
Antibody
Experiment Type Western blot (WB)

References

Product: HO-1 Rabbit pAb
Journal: British Journal Of Pharmacology
Application: WB IF:5.487 Species: Mus musculus
PMID: 26566260
Title: Trimetazidine prevents macrophage-mediated septic myocardial dysfunction via activation of the histone deacetylase sirtuin 1

Product:HO-1 Rabbit pAb
Journal:Biochemical And Biophysical Research Communications
Application:WB IF:2.466 Species:Mus musculus
PMID:26903296
Title:Mst1 regulates hepatic lipid metabolism by inhibiting Sirt1 ubiquitination in mice References for HO-1 Rabbit pAb

Product: HO-1 Rabbit pAb
Journal:European Journal of Pharmacology
Application:WB F:2.896 Species:Mus musculus
PMID:26973173
Title:Diabetes blocks the cardioprotective effects of sevoflurane postconditioning by impairing Nrf2/Brg1/HO-1 signaling

Product: HO-1 Rabbit pAb
Journal: Free Radical Biology and Medicine
Application: WB IF: 5.605 Species: Rattus norvegicus
PMID: 27840317
Title: Connexin43 regulates high glucose-induced expression of fibronectin, ICAM-1 and TGF- β 1 via Nrf2/ARE pathway in glomerular mesangial cells

Product: HO-1 Rabbit pAb
Journal: Marine Drugs
Application:WB IF:3.503 Species: Rattus norvegicus
PMID: 29621130
Title: Astaxanthin Promotes Nrf2/ARE Signaling to Inhibit HG-Induced Renal Fibrosis in GMCs

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