

HO-1 Polyclonal Antibody

Catalog No: #27513

Package Size: #27513-2 100ul #27513-1 50ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

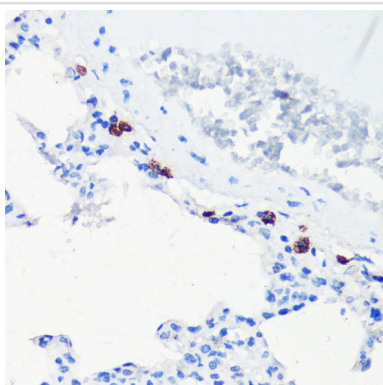
Description

Product Name	HO-1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human HO-1 (NP_002124.1).
Conjugates	Unconjugated
Other Names	HMOX1; HMOX1D; HO-1; HSP32; bK286B10; heme oxygenase 1
Accession No.	Swiss-Prot#:P09601NCBI Gene ID:3162
Calculated MW	32kDa
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

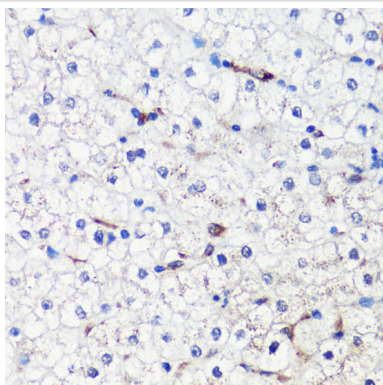
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

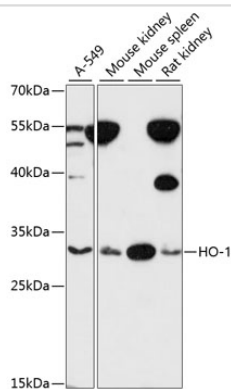
Images



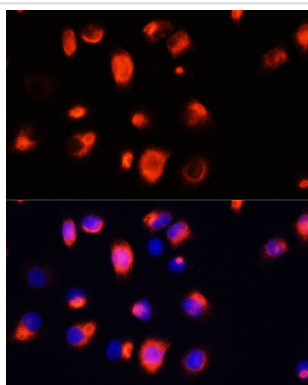
Immunohistochemistry of paraffin-embedded rat lung using HO-1 at dilution of 1:200 (40x lens).



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



Western blot analysis of extracts of various cell lines, using HO-1 at 1:1000 dilution.



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

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.

Published Papers

Yuwen Liu;Jiping Liu;Naping Hu;Zhengrong Li;Anqi Liu;Ruyue Luo;Siyu Du;Dongyan Guo;Jiankang Li;Jialin Duan et al., Classical prescription Daqinjiao decoction inhibit cerebral ischemia/reperfusion induced necroptosis and ferroptosis through multiple mechanisms., (2025)
[PMID:39736347](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.