Product Datasheet

HMOX1 Antibody

Catalog No: #32266

Package Size: #32266-1 50ul #32266-2 100ul

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

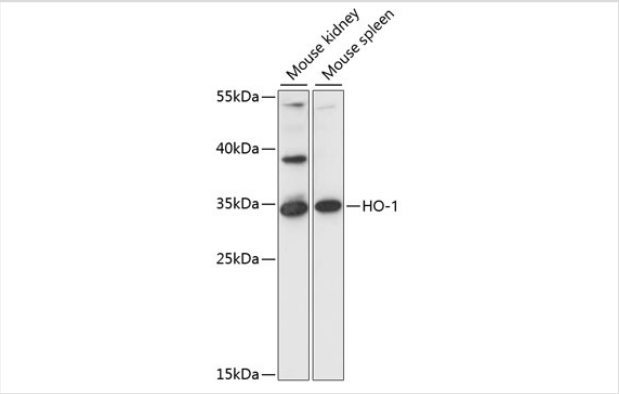
Description

Product Name	HMOX1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total HMOX1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HMOX1.
Target Name	HMOX1
Other Names	HO-1; HSP32; bK286B10; HMOX1;
Accession No.	Swiss-Prot:P09601NCBI Gene ID:3162
Uniprot	P09601
GeneID	3162;
SDS-PAGE MW	33KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

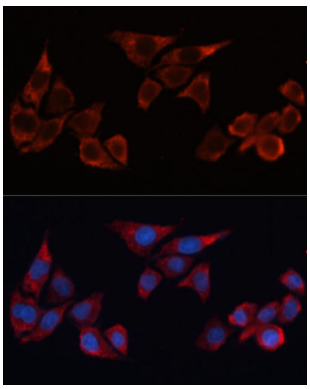
Application Details

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

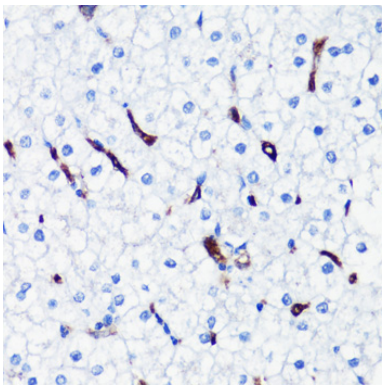
Images



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



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



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

Background

Heme oxygenase (HO) is the rate-limiting enzyme in the catabolism of heme that results in the release of carbon monoxide, iron, and biliverdin (1). The products of this enzymatic reaction play important biological roles in antioxidant, anti-inflammatory and cytoprotective functions (2). Heme oxygenase comprises two isozymes, including the constitutively expressed HO-2 isozyme and the inducible HO-1 isozyme (3). Inducible HO-1 is expressed as an adaptive response to several stimuli, including heme, metals, and hormones (4). The induction of HO-1 has been implicated in numerous disease states, such as transplant rejection, hypertension, atherosclerosis, Alzheimer disease, endotoxic shock, diabetes, inflammation, and neurological disorders (1,5).

Note: This product is for in vitro research use only