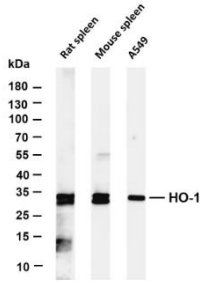
PRODUCT DATA SHEET

HO-1 (PT0511R) PT™ Rabbit mAb

Catalog No.	IMB3348
Reactivity	Human, Mouse, Rat
Applications	WB, IHC, IF, IP, ELISA
Dilution	IHC 1:2000-1:10000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200
Gene Name	HMOX1 HO HO1
Protein Name	HO-1
Human Gene Id	3162
Swiss-Prot	P09601
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Rabbit
Purification	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Concentration	2mg/ml
Storage&Stability	-15°C to -25°C/1 year (Do not lower than -25°C)
Subcellular Location	Endoplasmic reticulum membrane
MW	33kD (Calculated) 33kD (Observed)
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] ,

Products Images:

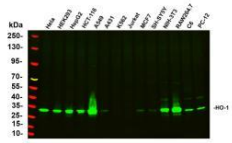


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-HO-1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: Rat spleen
Lane 2: Mouse spleen
Lane 3: A549

Predicted band size: 33kDa
Observed band size: 33kDa

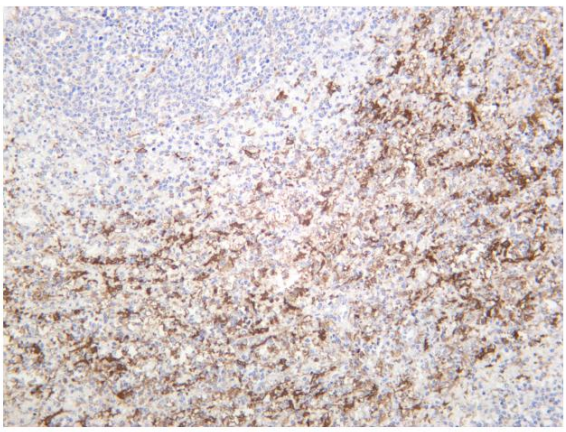
PRODUCT DATA SHEET



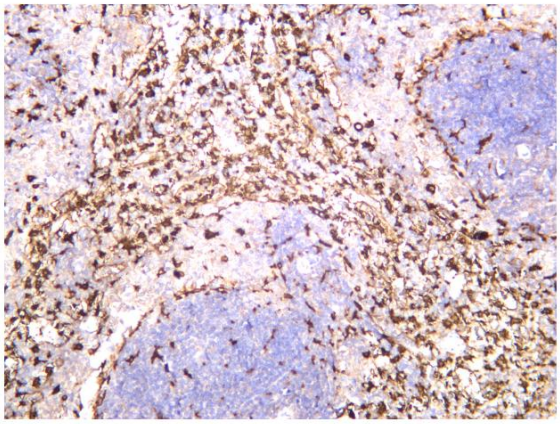
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:5000 dilution . The Dilight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody.

Lane1: Hela - Human cervical cancer
Lane2: HEK293 - Human normal embryonic kidney
Lane3: HepG2 - Human hepatocellular carcinoma
Lane4: HCT-116 - Human colon cancer
Lane5: A549 - Human lung adenocarcinoma
Lane6: A431 - Human skin squamous cell carcinoma
Lane7: K562 - Human chronic myeloid leukemia
Lane8: Jurkat - Human acute T cell leukemia cells
Lane9: MCF7 - Human breast cancer
Lane10: SH-SY5Y - Human neuroblastoma cells
Lane11: NIH-3T3 - NIH mouse fibroblasts
Lane12: RAW264.7 - Mouse mononuclear macrophage leukemia cells
Lane13: C6 - Rat glioma cells
Lane14: PC-12 - Pheochromocytoma in rats

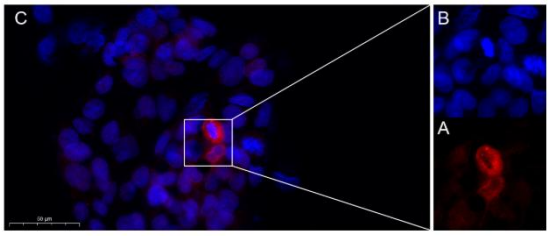
Predicted band size: 33kDa
Observed band size: 33kDa



Human spleen was stained with anti-HO-1 rabbit antibody



Rat spleen was stained with anti-HO-1 rabbit antibody



Immunofluorescence analysis of HepG2. Picture A: HO 1 PT0511R Rabbit mAb (red). Picture B: DAPI (blue). Picture C: Merge of A+B