

Product Datasheet

HO-1 Antibody: FITC (orb147093)

Description	Mouse monoclonal to HO-1 (FITC). Heme-oxygenase is a ubiquitous enzyme that catalyzes Heme-oxygenase is a ubiquitous enzyme that catalyzes...
Species/Host	Mouse
Reactivity	Bovine, Canine, Guinea pig, Hamster, Human, Monkey, Mouse, Porcine, Rabbit, Rat
Conjugation	FITC
Tested Applications	ICC, IF, IHC
Immunogen	Human HO-1 synthetic peptide, amino acids 1-30
Target	HO-1
Preservatives	640.91mM DMSO, 136.36mM Ethanolamine, and 9.09mM Sodium Bicarbonate in 90.9% PBS
Concentration	1 mg/ml
Storage	Conjugated antibodies should be stored according to the product label
Note	For research use only
Application notes	1 µg/ml was sufficient for detection of HO-1 in 10 µg of mixed human cell line lysate by colorimetric immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary.
Isotype	IgG1 Kappa
Clonality	Monoclonal
Clone Number	1F12-A6
MW	32kDa

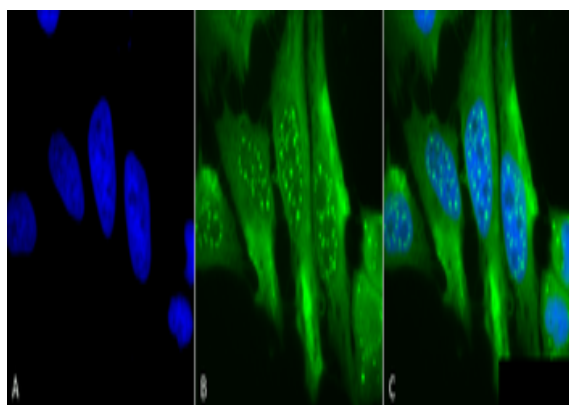
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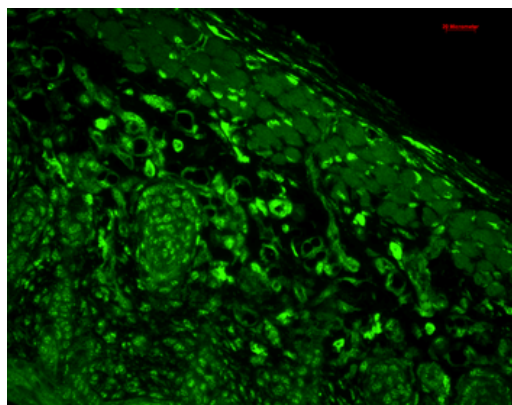
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Uniprot ID	P09601
NCBI	NP_002124.1
Entrez	3162
Dilution Range	WB (1:1000), IHC (1:100), ICC/IF (1:100)
Expiration Date	12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HO-1 Monoclonal Antibody, Clone 1F12-A6. Tissue: Cervical cancer cell line (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-HO-1 Monoclonal Antibody at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Microsome. Endoplasmic reticulum. Localizes to the nucleus upon hypoxia. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-HO-1 Antibody. (C) Composite.



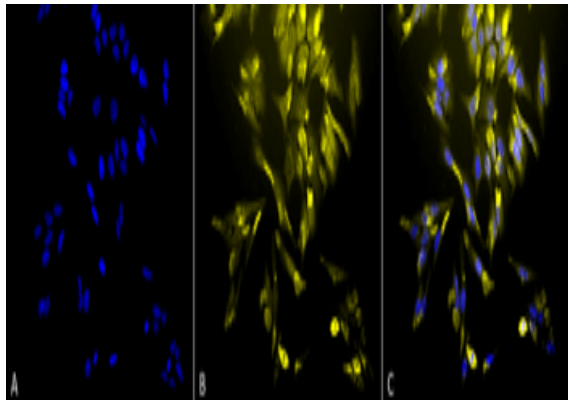
Immunohistochemistry analysis using Mouse Anti-HO-1 Monoclonal Antibody, Clone 1F12-A6. Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-HO-1 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: muscle, dermis, hair follicles, epidermis: nuclear everywhere and some cytoplasmic staining.

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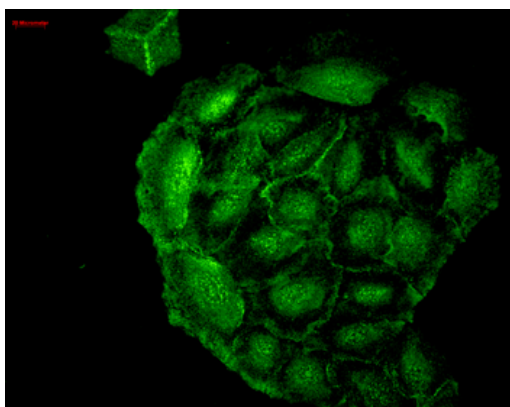
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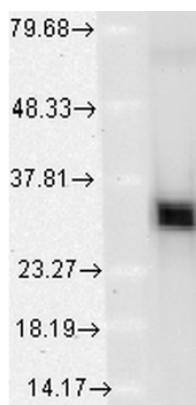
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Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HO-1 Monoclonal Antibody, Clone 1F12-A6. Tissue: Cervical cancer cell line (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-HO-1 Monoclonal Antibody at 1:100 for 12 hours at 4°C. Secondary Antibody: R-PE Goat Anti-Mouse (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Microsome. Endoplasmic reticulum. Localizes to the nucleus upon hypoxia. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-HO-1 Antibody. (C) Composite.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-HO-1 Monoclonal Antibody, Clone 1F12-A6. Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-HO-1 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Cell-cell border staining in epidermis, punctuate nuclear staining.



Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of HO-1 protein using Mouse Anti-HO-1 Monoclonal Antibody, Clone 1F12-A6. Load: 15 µg. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HO-1 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

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