

## Product Datasheet

### HO-1 Antibody: Biotin (orb151360)

|                            |                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | Rabbit polyclonal to HO-1 (Biotin). Heme-oxygenase is a ubiquitous enzyme that catalyzes Heme-oxygenase is a ubiquitous enzyme that catalyzes...                                                |
| <b>Species/Host</b>        | Rabbit                                                                                                                                                                                          |
| <b>Reactivity</b>          | Canine, Human, Mouse, Rat                                                                                                                                                                       |
| <b>Conjugation</b>         | Biotin                                                                                                                                                                                          |
| <b>Tested Applications</b> | ELISA, ICC, IF, IHC, WB                                                                                                                                                                         |
| <b>Immunogen</b>           | Human heme-oxygenase (HO-1) synthetic multiple antigenic peptide                                                                                                                                |
| <b>Target</b>              | HO-1                                                                                                                                                                                            |
| <b>Preservatives</b>       | 136.36mM Ethanolamine, and 9.55mM Sodium Bicarbonate in 95.45% PBS                                                                                                                              |
| <b>Concentration</b>       | 1 mg/ml                                                                                                                                                                                         |
| <b>Storage</b>             | Conjugated antibodies should be stored according to the product label                                                                                                                           |
| <b>Note</b>                | For research use only                                                                                                                                                                           |
| <b>Application notes</b>   | 1 µg/ml of SPC-112 was sufficient for detection of HO-1 in 10 µg of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody. |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                      |
| <b>MW</b>                  | 32kDa                                                                                                                                                                                           |
| <b>Uniprot ID</b>          | <b>P09601</b>                                                                                                                                                                                   |
| <b>NCBI</b>                | <b>NP_002124.1</b>                                                                                                                                                                              |
| <b>Entrez</b>              | <b>3162</b>                                                                                                                                                                                     |

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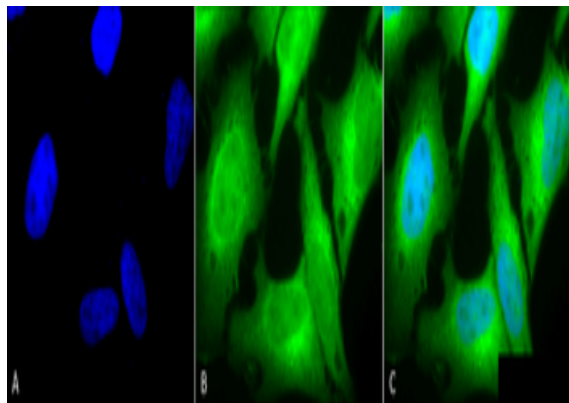
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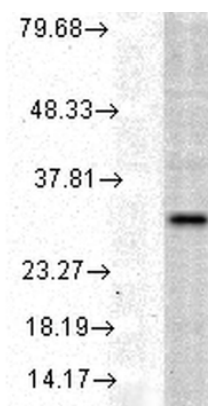
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**Dilution Range** WB (1:1000), ICC/IF (1:100)

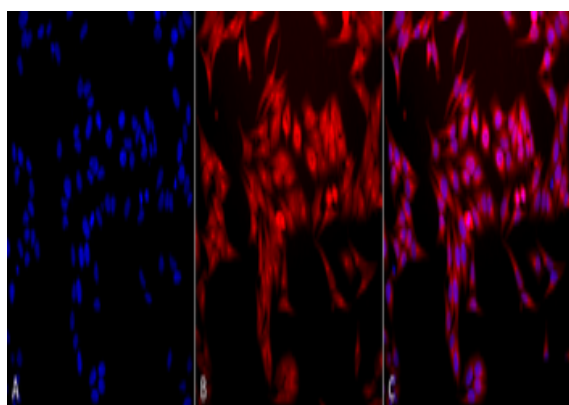
**Expiration Date** 12 months from date of receipt.



Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-HO-1 Polyclonal Antibody. Tissue: Heat Shocked Cervical cancer cell line (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-HO-1 Polyclonal Antibody at 1:100 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Endoplasmic reticulum membrane. Cytoplasm. Magnification: 100x. Heat Shocked at 42°C for 1h.



Western blot analysis of Human Cell line lysates showing detection of HO-1 protein using Rabbit Anti-HO-1 Polyclonal Antibody. Load: 15 µgprotein. Block: 1.5% BSA. Primary Antibody: Rabbit Anti-HO-1 Polyclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Donkey Anti-Rabbit IgG: HRP for 1 hour at RT.



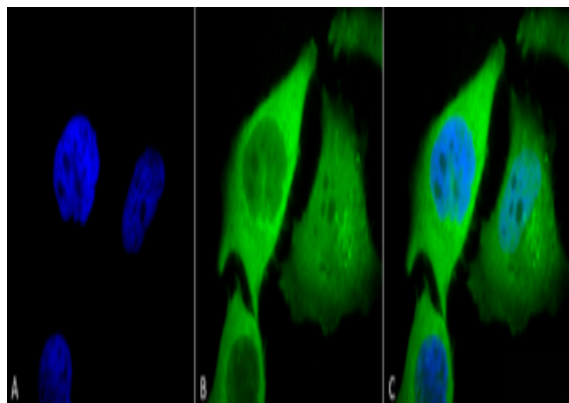
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Immunocytochemistry/Immunofluorescence analysis using Rabbit Anti-HO-1 Polyclonal Antibody. Tissue: Cervical cancer cell line (HeLa). Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-HO-1 Polyclonal Antibody at 1:120 for 12 hours at 4°C. Secondary Antibody: FITC Goat Anti-Rabbit (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Endoplasmic reticulum membrane. Cytoplasm. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-HO-1 Antibody. (C) Composite.

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