

**Datasheet for 600-401-F48****HO-1 Antibody****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Anti-HO-1 (RABBIT) Antibody - 600-401-F48 |
| <b>Item No.:</b>     | 600-401-F48                               |
| <b>Size:</b>         | 100 µg                                    |
| <b>Applications:</b> | WB                                        |
| <b>Reactivity:</b>   | Human, Mouse, Rat, Dog                    |
| <b>Host Species:</b> | Rabbit                                    |

**Product Details**

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | Heme-oxygenase is a ubiquitous enzyme that catalyzes Heme-oxygenase is a ubiquitous enzyme that catalyzes. |
| <b>Synonyms:</b>     | Hsp32, HMOX1, Heme oxygenase 1, HO, HO1                                                                    |
| <b>Host Species:</b> | Rabbit                                                                                                     |
| <b>Clonality:</b>    | Polyclonal                                                                                                 |
| <b>Format:</b>       | IgG                                                                                                        |

**Target Details**

|                            |                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | HMOX1                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity:</b>         | Human, Mouse, Rat, Dog                                                                                                                                                                                                                                                                                            |
| <b>Immunogen Type:</b>     | Conjugated Peptide                                                                                                                                                                                                                                                                                                |
| <b>Immunogen:</b>          | HO-1 Antibody was produced from whole rabbit serum prepared by repeated immunizations raised against a human heme-oxygenase (HO-1) synthetic multiple antigenic synthetic peptide.                                                                                                                                |
| <b>Purity/Specificity:</b> | Anti-HO-1 Antibody was purified by affinity chromatography. A BLAST analysis was used to suggest cross-reactivity with HO-1 from Human, Mouse, Rat and Dog based on 100% homology with the immunizing sequence. Cross-reactivity with HO-1 from other sources has not been determined. Oxidative stress research. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">NCBI - NP_002124.1</a></li></ul>                                                                                                                                                                                                                                |

- [GeneID - 3162](#)
- [UniProtKB - P09601](#)

## Application Details

|                             |                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | WB                                                                                                                                                                                                                                          |
| <b>Application Note:</b>    | Anti-HO-1 Antibody has been tested in WB, IHC, IF. Expect a band approximately ~32kDa protein, corresponding to the molecular mass of HO-1 on SDS Page immunoblots. Specific conditions for reactivity should be optimized by the end user. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                             |
| <b>IF:</b>                  | 1:100                                                                                                                                                                                                                                       |
| <b>IHC:</b>                 | User Optimized                                                                                                                                                                                                                              |
| <b>WB:</b>                  | 1:1000                                                                                                                                                                                                                                      |

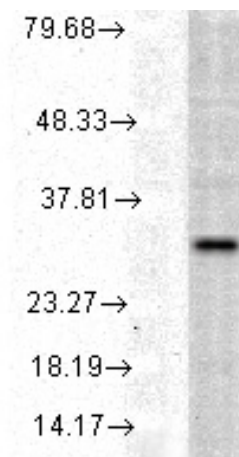
## Formulation

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)            |
| <b>Concentration:</b>  | 1.0 mg/mL by UV absorbance at 280 nm |
| <b>Buffer:</b>         | 1X PBS, pH 7.4                       |
| <b>Preservative:</b>   | 0.09% (w/v) Sodium Azide             |
| <b>Stabilizer:</b>     | 50% (v/v) Glycerol                   |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                         |

## Images

**Western Blot**

Western Blot of rabbit anti-HO-1 antibody. Lane 1: Human cell line mix. Lane 2: none. Load: 35 µg per lane. Primary antibody: HO-1 antibody at 1:1000 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 32.8 kDa, ~35 kDa for HO-1. Other band(s): none.

**Disclaimer**

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