

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

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

Product Details

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

Target Details

Gene Name:	HMOX1
Reactivity:	Human, Mouse, Rat, Dog
Immunogen Type:	Conjugated Peptide
Immunogen:	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.
Purity/Specificity:	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.
Relevant Links:	NCBI - NP_002124.1

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

Application Details

Tested Applications:	WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1:100
IHC:	User Optimized
WB:	1:1000

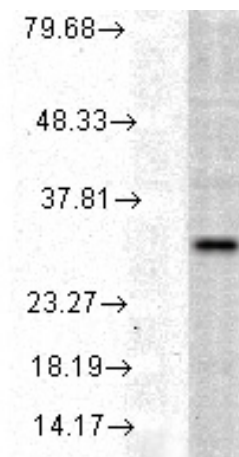
Formulation

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

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	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

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.