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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

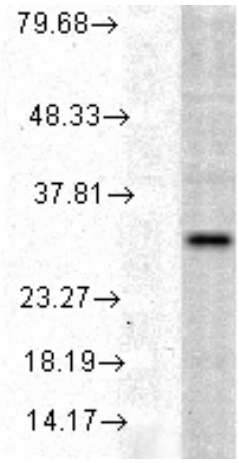
Formulation

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

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