

Datasheet for ABIN2854952

anti-HMOX1 antibody

8 Images

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Overview

Quantity:	100 µL
Target:	HMOX1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HMOX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Heme Oxygenase 1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Heme Oxygenase 1 (heme oxygenase (decycling) 1) Heme Oxygenase 1 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	HMOX1
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Target Details

Alternative Name:	heme oxygenase 1 (HMOX1 Products)
Background:	<p>Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family.</p> <p>Cellular Localization: Microsome , Endoplasmic reticulum</p>
Molecular Weight:	33 kDa
Gene ID:	3162
UniProt:	P09601
Pathways:	Transition Metal Ion Homeostasis , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Raw264.7 , C2C12 Validation: KO/KD, Orthogonal
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.45 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

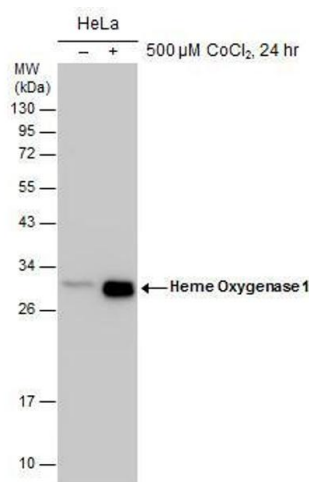
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

Product cited in: Rodriguez-Gil, Hu, Greer: "Dishevelled proteins are associated with olfactory sensory neuron presynaptic terminals." in: **PLoS ONE**, Vol. 8, Issue 2, pp. e56561, (2013) ([PubMed](#)).

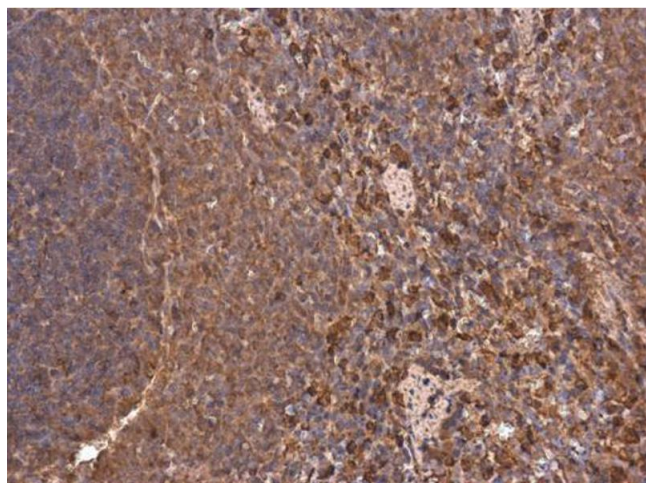
There are more publications referencing this product on: [Product page](#)

Validation report #104437 for Cleavage Under Targets and Release Using Nuclease (CUT&RUN)



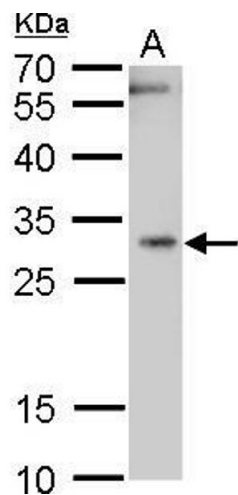
Western Blotting

Image 1. WB Image Untreated (–) and treated (+) HeLa whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Heme Oxygenase 1 antibody, diluted at 1:1000.



Immunohistochemistry

Image 2. IHC-P Image Heme Oxygenase 1 antibody detects HMOX1 protein at cytoplasm in rat spleen by immunohistochemical analysis. Sample: Paraffin-embedded rat spleen. Heme Oxygenase 1 antibody, diluted at 1:500.



Western Blotting

Image 3. WB Image Heme Oxygenase 1 antibody detects Heme Oxygenase 1 protein by western blot analysis. A. 50 μ g mouse brain lysate/extract 12 % SDS-PAGE Heme Oxygenase 1 antibody , dilution: 1:1000

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2854952.