

Product datasheet

Anti-HO-2 antibody ab90492

[11 References](#) [3 Images](#)

Overview

Product name	Anti-HO-2 antibody
Description	Rabbit polyclonal to HO-2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Full length native protein (purified) corresponding to Rat HO-2.
Positive control	Rat, human and mouse liver microsome extracts, HeLa cell lysate (heat shocked), mouse spinal cord section (stressed), human prostate section
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab90492 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 36 kDa.
IHC-Fr		Use at an assay dependent concentration.

Target

Function

Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. Heme oxygenase 2 could be implicated in the production of carbon monoxide in brain where it could act as a neurotransmitter.

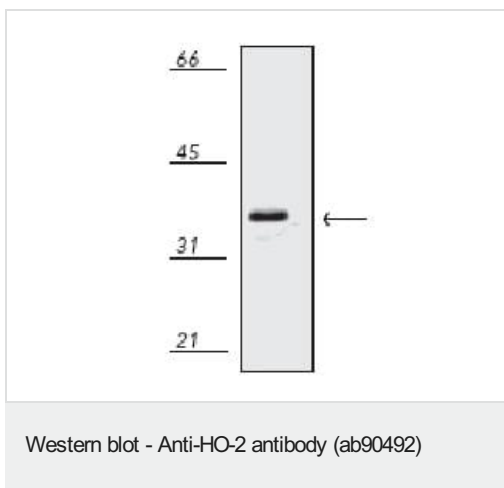
Sequence similarities

Belongs to the heme oxygenase family.
Contains 2 HRM (heme regulatory motif) repeats.

Cellular localization

Microsome. Endoplasmic reticulum.

Images



Anti-HO-2 antibody (ab90492) at 1/1000 dilution + rat liver microsome extract

Predicted band size: 36 kDa



ab90492, staining HO-2 in a frozen mouse spinal cord section (stressed) by Immunohistochemistry.



ab90492, staining HO-2 in a frozen human prostate section by Immunohistochemistry.

Immunohistochemistry (Frozen sections) - Anti-HO-2 antibody (ab90492)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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