

**Goat anti-Heme Oxygenase 1 (aa242-256) Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4372a

### Specification

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#### Goat anti-Heme Oxygenase 1 (aa242-256) Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	<a href="#">P09601</a>
Other Accession	<a href="#">NP_002124.1</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	32819

#### Goat anti-Heme Oxygenase 1 (aa242-256) Antibody - Additional Information

Gene ID 3162

#### Other Names

HMOX1; heme oxygenase (decycling) 1; HO-1; HSP32; bK286B10; OTTHUMP00000198812; heat shock protein, 32-kD; heme oxygenase 1

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-Heme Oxygenase 1 (aa242-256) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat anti-Heme Oxygenase 1 (aa242-256) Antibody - Protein Information

Name HMOX1

Synonyms HO, HO1

#### Function

[Heme oxygenase 1]: Catalyzes the oxidative cleavage of heme at the alpha-methene bridge carbon, released as carbon monoxide (CO), to generate biliverdin IXalpha, while releasing the central heme iron chelate as ferrous iron (PubMed:<a href="http://www.uniprot.org/citations/11121422" target="\_blank">11121422</a>, PubMed:<a href="http://www.uniprot.org/citations/19556236" target="\_blank">19556236</a>, PubMed:<a href="http://www.uniprot.org/citations/7703255" target="\_blank">7703255</a>). Affords

protection against programmed cell death and this cytoprotective effect relies on its ability to catabolize free heme and prevent it from sensitizing cells to undergo apoptosis (PubMed:<a href="http://www.uniprot.org/citations/20055707" target="\_blank">20055707</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type IV membrane protein; Cytoplasmic side

**Tissue Location**

Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level)

**Goat anti-Heme Oxygenase 1 (aa242-256) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-Heme Oxygenase 1 (aa242-256) Antibody - Images**