

**KD-Validated Anti-Heme Oxygenase 2 Mouse Monoclonal Antibody**  
**Mouse monoclonal Antibody**  
**Catalog # AGI2166**

**Specification**

**KD-Validated Anti-Heme Oxygenase 2 Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P30519</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	Predicted, 36 kDa, observed, 34 kDa
Gene Name	HMOX2
Aliases	HMOX2; Heme Oxygenase 2; HO-2; Heme Oxygenase (Decycling) 2; EC 1.14.14.18; EC 1.14.99.3; HO2
Immunogen	Recombinant protein of human HMOX2

**KD-Validated Anti-Heme Oxygenase 2 Mouse Monoclonal Antibody - Additional Information**

Gene ID **3163**

**Other Names**

Heme oxygenase 2, HO-2, 1.14.14.18, Heme oxygenase 2 soluble form, HMOX2, HO2

**KD-Validated Anti-Heme Oxygenase 2 Mouse Monoclonal Antibody - Protein Information**

**Name** HMOX2

**Synonyms** HO2

**Function**

[Heme oxygenase 2]: 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.

**Cellular Location**

Microsome membrane; Single-pass type IV membrane protein; Cytoplasmic side

{ECO:0000250|UniProtKB:P09601}. Endoplasmic reticulum membrane

{ECO:0000250|UniProtKB:P09601}; Single-pass type IV membrane protein; Cytoplasmic side

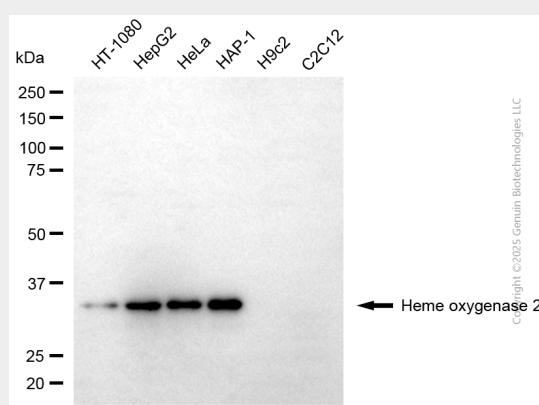
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**KD-Validated Anti-Heme Oxygenase 2 Mouse Monoclonal Antibody - Protocols**

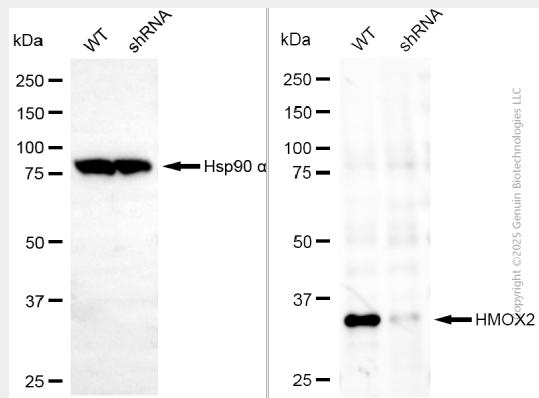
Provided below are standard protocols that you may find useful for product applications.

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

### KD-Validated Anti-Heme Oxygenase 2 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-heme oxygenase 2 antibody (Cat#AGI2166). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-heme oxygenase 2 antibody (Cat#AGI2166, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-HMOX2 antibody (Cat#AGI2166). HMOX2 expression in wild-type (WT) and HMOX2 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-HMOX2 antibody (Cat#AGI2166, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.