

HO-1 Ab

[References\(1\)](#) [Images\(1\)](#)

Cat.#: DF6391
Size:

Concn.: ~1mg/ml
Source: Rabbit

Mol.Wt.: 33kDa
Clonality: Polyclonal

Application:

WB 1:500-1:2000, IHC 1:50-1:200

*The optimal dilutions should be determined by the end user.

Reactivity:

Human,Mouse,Rat

Storage:

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification:

The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen:

A synthesized peptide derived from human HMOX1, corresponding to a region within the internal amino acids.

Uniprot:

P09601

Description:

Hemeoxygenase (HO) is the rate-limiting enzyme in the catabolism of heme that results in the release of carbon monoxide, iron, and biliverdin . The products of this enzymatic reaction play important biological roles in antioxidant, anti-inflammatory and cytoprotective functions .

Hemeoxygenase comprises two isozymes, including the constitutively expressed HO-2 isozyme and the inducible HO-1 isozyme . Inducible HO-1 is expressed as an adaptive response to several stimuli, including heme, metals, and hormones . The induction of HO-1 has been implicated in numerous disease states, such as transplant rejection, hypertension, atherosclerosis, Alzheimer disease, endotoxic shock, diabetes, inflammation, and neurological disorders (1,5).

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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