10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Heme Oxygenase-1 Blocking Peptide

Catalog # PBV10162b

Specification

Heme Oxygenase-1 Blocking Peptide - Product Information

Primary Accession	P09601
Gene ID	3162
Calculated MW	32819

Heme Oxygenase-1 Blocking Peptide - Additional Information

Gene ID 3162

Application & Usage	**The peptide is used for blocking the antibody activity of Heme oxygenase-1. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.**

Other Names
Heme oxygenase 1, HO-1, 1.14.99.3, HMOX1, HO, HO1

Target/Specificity
Heme Oxygenase-1

Formulation
50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Heme Oxygenase-1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Heme Oxygenase-1 Blocking Peptide - 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:7703255, PubMed:11121422, PubMed:19556236). 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:20055707).

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)

Heme Oxygenase-1 Blocking Peptide - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Heme Oxygenase-1 Blocking Peptide - Images