

**HMOX2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19328a****Specification**

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**HMOX2 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P30519](#)

**HMOX2 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 3163

**Other Names**

Heme oxygenase 2, HO-2, HMOX2, HO2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HMOX2 Antibody (N-term) Blocking Peptide - 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 {ECO:0000250|UniProtKB:P09601}

**HMOX2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **HMOX2 Antibody (N-term) Blocking Peptide - Images**

#### **HMOX2 Antibody (N-term) Blocking Peptide - Background**

Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. Alternative splice variants encoding the same protein have been identified at this locus.

#### **HMOX2 Antibody (N-term) Blocking Peptide - References**

Abdel Aziz, M.T., et al. Andrologia 42(4):236-241(2010) Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010) He, J.Z., et al. J. Biol. Chem. 285(13):9452-9461(2010) Zhong, J.L., et al. Free Radic. Biol. Med. 48(2):196-206(2010) Yun, L., et al. Clin. Exp. Hypertens. 31(7):534-543(2009)