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HMOX2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP19328a

Specification

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 tobilirubin by biliverdin reductase, and carbon monoxide, a putativeneurotransmitter. Heme oxygenase activity is induced by itssubstrate heme and by various nonheme substances. Heme oxygenaseoccurs as 2 isozymes, an inducible heme oxygenase-1 and aconstitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the hemeoxygenase family. Alternative splice variants encoding the sameprotein 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)