

HMOX2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19328a

Specification

HMOX2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P30519
Other Accession	P23711 , O70252 , Q2PG53 , NP_002125.3
Reactivity Predicted	Human Monkey, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	36033
Antigen Region	24-52

HMOX2 Antibody (N-term) - Additional Information

Gene ID 3163

Other Names

Heme oxygenase 2, HO-2, HMOX2, HO2

Target/Specificity

This HMOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-52 amino acids from the N-terminal region of human HMOX2.

Dilution

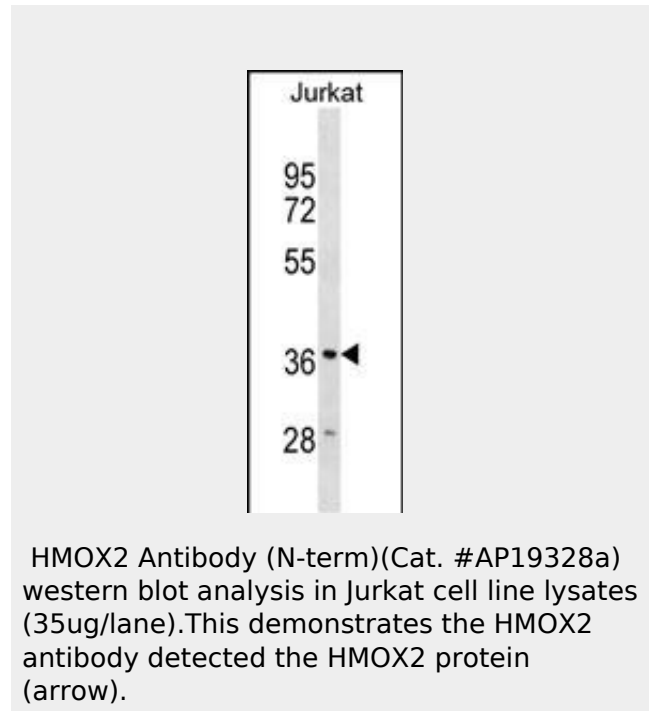
WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



HMOX2 Antibody (N-term) - 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) - References

Abdel Aziz, M.T., et al. *Andrologia* 42(4):236-241(2010)
Wang, Y., et al. *J. Hum. Genet.*

Precautions

HMOX2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

HMOX2 Antibody (N-term) - Protein Information

Name HMOX2

Synonyms HO2

Function

Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. Heme oxygenase 2 could be implicated in the production of carbon monoxide in brain where it could act as a neurotransmitter.

Cellular Location

Microsome. Endoplasmic reticulum.

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)

HMOX2 Antibody (N-term) - 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](#)