

# Heme Oxygenase 2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51976

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P30519</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	36 kDa

## Additional Information

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<b>Other Names</b>	Heme oxygenase 2, HO-2, HMOX2, HO2
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Heme Oxygenase 2. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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### Background

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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.

### References

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McCoubrey W.K. Jr.,et al.Arch. Biochem. Biophys. 295:13-20(1992).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Martin J.,et al.Nature 432:988-994(2004).  
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.