

Product Datasheet

Heme Oxygenase 1 Antibody

Catalog No: CY5113

Reactivity: Human Mouse

Isotype: Rabbit IgG

Applications: WB IHC IP FC



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Information

UniProt ID: P09601

All Names: HO-1; HSP32; bK286B10; HMOX1

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 32 kDa

Application

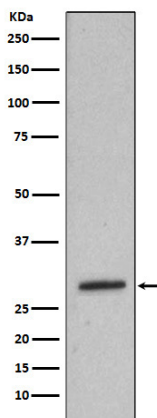
WB: 1:500~1:2000

IHC: 1:50~1:200

IP: 1:50

Background

Hemeoxygenase (HO) is the rate-limiting enzyme in the catabolism of heme that results in the release of carbon monoxide, iron, and biliverdin. The products of this enzymatic reaction play important biological roles in antioxidant, anti-inflammatory and cytoprotective functions. Hemeoxygenase comprises two isozymes, including the constitutively expressed HO-2 isozyme and the inducible HO-1 isozyme. Inducible HO-1 is expressed as an adaptive response to several stimuli, including heme, metals, and hormones. The induction of HO-1 has been implicated in numerous disease states, such as transplant rejection, hypertension, atherosclerosis, Alzheimer disease, endotoxic shock, diabetes, inflammation, and neurological disorders.



Western blot analysis of Heme Oxygenase 1 in mouse spleen lysate.

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