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Anti-Heme Oxygenase 1 HMOX1 Rabbit Monoclonal Antibody

Catalog # ABO14222

Product Information

Application	WB, IHC, IP, FC
Primary Accession	P09601
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Heme Oxygenase 1 HMOX1 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse.

Additional Information

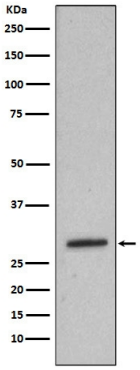
Gene ID	3162
Other Names	Heme oxygenase 1, HO-1, 1.14.14.18, Heme oxygenase 1 soluble form, HMOX1, HO, HO1
Calculated MW	32819
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50 FC 1:50
Subcellular Localization	Microsome. Endoplasmic reticulum membrane ; Peripheral membrane protein ; Cytoplasmic side.
Tissue Specificity	Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level)..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AEG-8
Immunogen	A synthesized peptide derived from human Heme Oxygenase 1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at

4°C for up to one month. Avoid repeated freeze-thaw cycles.

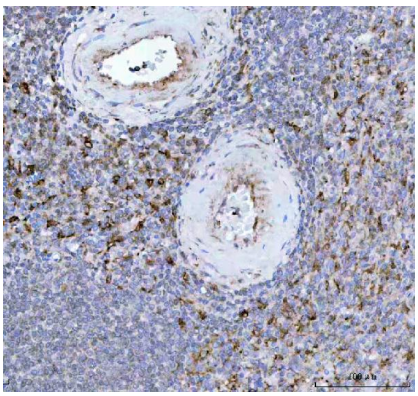
Protein Information

Name	HMOX1
Synonyms	HO, HO1
Function	[Heme oxygenase 1]: 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 (PubMed:11121422, PubMed:19556236, PubMed:7703255). Affords protection against programmed cell death and this cytoprotective effect relies on its ability to catabolize free heme and prevent it from sensitizing cells to undergo apoptosis (PubMed:20055707).
Cellular Location	Endoplasmic reticulum membrane; Single-pass type IV membrane protein; Cytoplasmic side
Tissue Location	Expressed at higher levels in renal cancer tissue than in normal tissue (at protein level)

Images

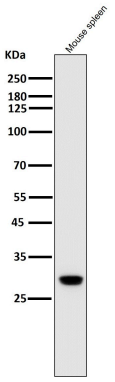


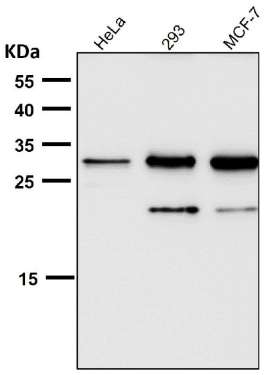
Western blot analysis of Heme Oxygenase 1 in mouse spleen lysate.



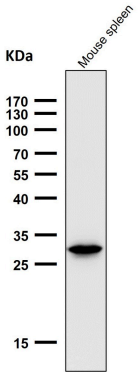
IHC analysis of Heme Oxygenase 1 using anti-Heme Oxygenase 1 antibody (M00253).
Heme Oxygenase 1 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Heme Oxygenase 1 Antibody (M00253) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.





All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.