

Anti-Heme Oxygenase 1 HMOX1 Rabbit Monoclonal Antibody

Catalog Number: M00253

About HMOX1

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.

Overview

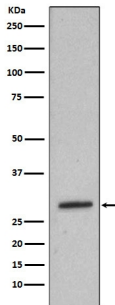
Product Name	Anti-Heme Oxygenase 1 HMOX1 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Heme Oxygenase 1 HMOX1 Rabbit Monoclonal Antibody catalog # M00253. Tested in WB, IHC, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IP, IHC, WB
Clonality	Monoclonal AEG-8
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Storage Instructions	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.
Host	Rabbit
Uniprot ID	P09601

Technical Details

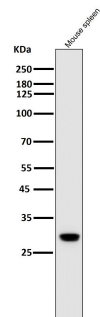
Immunogen	A synthesized peptide derived from human Heme Oxygenase 1
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50 FC 1:50
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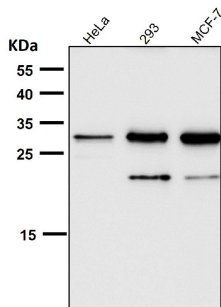
Anti-Heme Oxygenase 1 HMOX1 Rabbit Monoclonal Antibody (M00253) Images



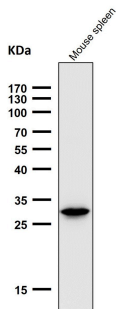
Western blot analysis of Heme Oxygenase 1 in mouse spleen lysate.



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

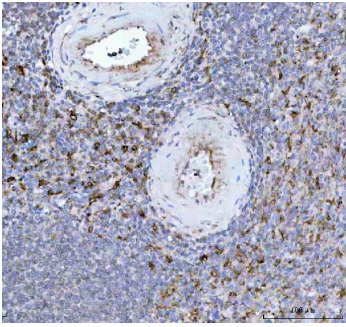


All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



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

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.

8 Publications Citing This Product

1. PubMed ID: 33359640, Li D, Bai X, Jiang Y, Cheng Y. Butyrate alleviates PTZ-induced mitochondrial dysfunction, oxidative stress and neuron apoptosis in mice via Keap1/Nrf2/HO-1 pathway. *Brain Res Bull.* 2020 Dec 28;168:25-35. doi:10.1016/j.brainresbull.2020.12.009. Epub ahead of print
2. PubMed ID: 25269519, Liu Mw, Wang Yh, Qian Cy, Li H. *Int J Mol Med.* 2014 Dec;34(6):1492-504. Doi: 10.3892/ijmm.2014.1943. Epub 2014 Sep 23. Xuebijing Exerts Protective Effects On Lung Permeability Leakage And Lung Injury By Upregulating Toll-Interacting Protein Expres...
3. PubMed ID: 22614123, Mo L, Yang C, Gu M, Zheng D, Lin L, Wang X, Lan A, Hu F, Feng J. *Int J Mol Med.* 2012 Aug;30(2):314-20. Doi: 10.3892/ijmm.2012.1002. Epub 2012 May 14. Pi3K/Akt Signaling Pathway-Induced Heme Oxygenase-1 Upregulation Mediates The Adaptiv...

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