Product datasheet

Anti-HO-1/HMOX1 Antibody

Catalog Number: *PB0050*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China
Web: www.boster.com.cn ***Phone:*** +86 027-67845390 ***Fax:*** +86 027-67845390 ***Email:*** boster@boster.com.cn

Basic Information

Product Name	Anti-HO-1/HMOX1 Antibody
Gene Name	HMOX1
Source	Rabbit
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, FCM
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived mouse HMOX1 recombinant protein (Position: E2-T261). Mouse HMOX1 shares 82% and 93% amino acid (aa) sequences identity with human and rat HMOX1, respectively.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	33KD
Dilution Ratios	Western blot(WB): 1:500-2000 Flow cytometry (FCM):1-3μg/1x10^6 cells

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

HMOX1 (heme oxygenase (decycling) 1) is a human gene that encodes for the enzyme heme oxygenase 1. It is an essential enzyme in heme catabolism, it cleaves heme to form biliverdin. HMOX1 belongs to the heme oxygenase family. The HMOX1 gene is located on the long (q) arm of chromosome 22 at position 12.3, from base pair 34,101,636 to base pair 34,114,748. HMOX1, 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. HMOX1 activity is induced by its substrate heme and by various nonheme substances.

Reference

Anti-HO-1/HMOX1 Antibody被引用在3文献中。

Selected Validation Data

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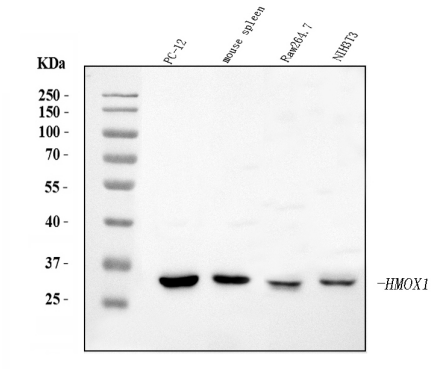

Figure 1. Western blot analysis of anti-HMOX1 antibody (PB0050). The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: PC-12 Whole Cell Lysate,
Lane 2: mouse spleen tissue Lysate,
Lane 3: RAW264.7 Whole Cell Lysate,
Lane 4: NIH/3T3 Whole Cell Lysate.
Use rabbit anti-HMOX1 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for HMOX1 at approximately 33KD. The expected band size for HMOX1 is at 33KD.

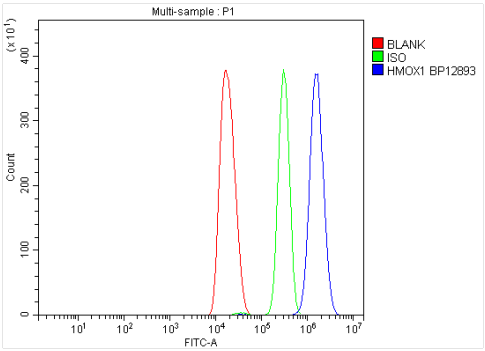

Figure 2. Flow cytometry analysis of HEPA1-6 cell(1x106) DyLight 488 conjugated goat anti-mouse IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was mouse IgG DyLight 488. Unlabelled sample (Red line).