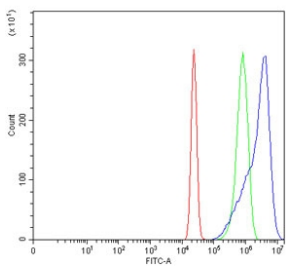
HMOX1 Antibody / Heme Oxygenase 1 / HO-1 (RQ7276)

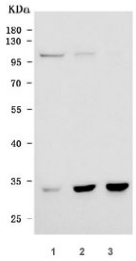
Catalog No.	Formulation	Size
RQ7276	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P09601
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This HMOX1 antibody is available for research use only.



Flow cytometry testing of human U-2 OS cells with HMOX1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HMOX1 antibody.



Western blot testing of human 1) HeLa, 2) A549 and 3) 293T cell lysate with HMOX1 antibody. Predicted molecular weight ~33 kDa.

Description

HMOX1 (heme oxygenase (decycling) 1), also known as HO-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.

Application Notes

Optimal dilution of the HMOX1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E19-R269) was used as the immunogen for the HMOX1 antibody.

Storage

After reconstitution, the HMOX1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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