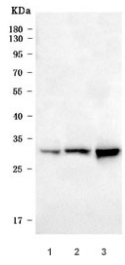
Heme oxygenase 1 Antibody / Ho-1 / Hmox1 (RQ7275)

Catalog No.	Formulation	Size
RQ7275	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
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	P06762
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Heme oxygenase 1 antibody is available for research use only.



Western blot testing of rat 1) liver, 2) RH35 and 3) PC-12 cell lysate with Heme oxygenase 1 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 Heme oxygenase 1 antibody should be determined by the researcher.

Immunogen

Recombinant rat protein (amino acids E2-T261) was used as the immunogen for the Heme oxygenase 1 antibody.

Storage

After reconstitution, the Heme oxygenase 1 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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