

Heme Oxygenase 2 (HO-2) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 13063

Format: 100ug (1mg/ml) Protein A-purified antibody in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.

BACKGROUND

Heme oxygenase (HO) catalyzes the degradation of heme at the alpha-methene bridge to form biliverdin. Three isoforms of heme oxygenase are known. Heme oxygenase 1 (HO-1) is an inducible isoform in response to stress such as oxidative stress, hypoxia, heavy metals, cytokines, etc. Heme oxygenase 2 (HO-2) is a constitutive isoform that is expressed under homeostatic conditions. Both HO-1 and HO-2 are ubiquitously expressed and catalytically active. HO-1 is encoded by the *HMOX1* gene and HO-2 by *HMOX2*. A third heme oxygenase (HO-3) is not catalytically active, but is thought to work in oxygen sensing.

SPECIFICATION SUMMARY

Antigen: Full-length native rat HO-2 purified from testes.

Accession no.: NP_077363.1, P23711

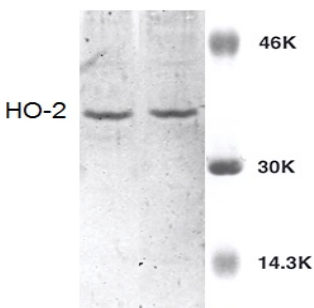
Gene ID: 79239

Host Species: Rabbit

Specificity: This antibody recognizes human, mouse, and rat HO-2.

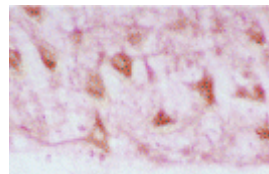
APPLICATIONS

Immunoblotting: use at 1ug/ml.



Detection of HO-2 in rat brain lysates with #13063 at 1ug/ml.

Immunohistochemistry: use at 1ug/ml.



Detection of HO-2 in rat spinal cord with #13063 at 1ug/ml.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.