

HMOX1 polyclonal antibody

Catalog: BS3978

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Heme oxygenase (HO) is the rate-limiting enzyme in the catabolism of heme that results in the release of carbon monoxide, iron, and biliverdin. The products of this enzymatic reaction play important biological roles in anti-oxidant, anti-inflammatory, and cytoprotective functions. HO comprises two isozymes, including the constitutively expressed HO-2 isozyme and the inducible HO-1 isozyme. Inducible HO-1 is expressed as an adaptive response to several stimuli, including heme, metals, and hormones. The induction of HO-1 has been implicated in numerous disease states, such as transplant rejection, hypertension, atherosclerosis, Alzheimer's disease, endotoxic shock, diabetes, inflammation, and neurological disorders.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 32 kDa

Swiss-Prot:

P09601

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

IP: 1:50~1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

HMOX1 polyclonal antibody detects endogenous levels

of HMOX1 protein.

DATA:



Western blot (WB) analysis of HMOX1 polyclonal antibody at 1:1000 dilution

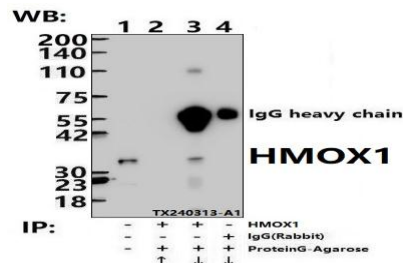
Lane1:HepG2 whole cell lysate(30ug)

Lane2:A549 whole cell lysate(30ug)

Lane3:A2780 whole cell lysate(30ug)

Lane4:The Spleen tissue lysate of Mouse(30ug)

Lane5:PMVEC whole cell lysate(30ug)



Immunoprecipitation of HepG2 cell lysates using HMOX1 pAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using HMOX1 pAb.

Note:

For research use only, not for use in diagnostic procedure.

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