

CoraLite®594-conjugated HO-1/HMOX1 Polyclonal antibody

Catalog Number: **CL594-10701****Featured Product**

Basic Information

Catalog Number:

CL594-10701

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1190

GenBank Accession Number:

BC001491

GeneID (NCBI):

3162

UNIPROT ID:

P09601

Full Name:

heme oxygenase (decycling) 1

Calculated MW:

33 kDa

Observed MW:

28-33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : human liver cancer tissue,

Background Information

Heme oxygenase (HMOX1) catalyzes the first and rate-limiting step in the degradation of heme to yield equimolar quantities of biliverdin Ixa, carbon monoxide (CO), and iron. It has 3 isoforms: HO-1 is highly inducible, whereas HO-2 and HO-3 are constitutively expressed (PMID:10194478). Heme oxygenase-1 (HO-1) is expressed in many tissues and vascular smooth muscle cells, and endothelial cells (PMID:15451051) and has been identified as an important endogenous protective factor induced in many cell types by various stimulants, such as hemolysis, inflammatory cytokines, oxidative stress, heat shock, heavy metals, and endotoxin (PMID: 11522663). And the full-length HO-1 is very unstable and susceptible to truncation that generates an inactive, soluble form (28 kDa) (James R. Reed, Pharmacology, 535-568).

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

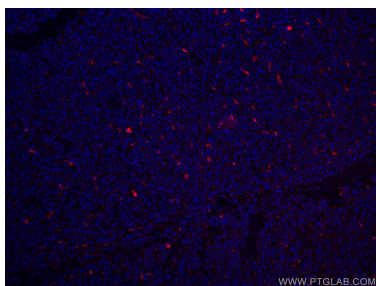
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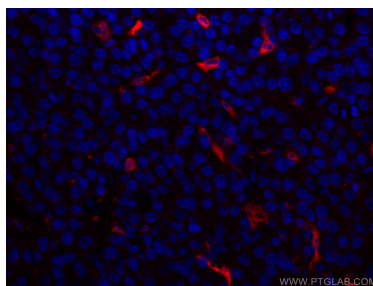
E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using CoraLite®594 HO-1/HMOX1 antibody (CL594-10701) at dilution of 1:200.



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