

For Research Use Only

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

Catalog Number:CL594-10701

Featured Product



Basic Information

Catalog Number:

CL594-10701

GenBank Accession Number:

BC001491

Purification Method:

Antigen affinity purification

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

GeneID (NCBI):

3162

Recommended Dilutions:

IF-P 1:50-1:500

Source:

Rabbit

UNIPROT ID:

P09601

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Isotype:

IgG

Full Name:

heme oxygenase (decycling) 1

Immunogen Catalog Number:

AG1190

Calculated MW:

33 kDa

Observed MW:

28-33 kDa

Applications

Tested Applications:

IF-P

Positive Controls:

IF-P : human liver cancer tissue,

Species Specificity:

human, mouse, rat

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. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

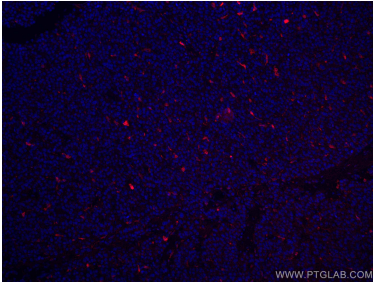
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

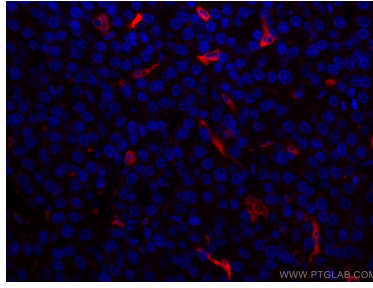
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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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