

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-HO-1/HMOX1



Numéro de catalogue: 10701-1-AP

Phare

736 Publications

Informations de base

Numéro de catalogue:

10701-1-AP

Taille:

150ul, Concentration: 600 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG1190

Numéro d'acquisition GenBank:

BC001491

Identification du gène (NCBI):

3162

Nom complet:

heme oxygenase (decycling) 1

MW calculé

33 kDa

MW observés:

28-33 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:100-1:400

IF 1:200-1:800

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

CoIP, FC, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Chèvre, Humain, porc, poulet, rat, singe, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB: cellules HT-1080, cellules HeLa, cellules HepG2, tissu hépatique de rat, tissu hépatique de souris, tissu rénal de souris, tissu splénique de rat, tissu splénique de souris

IP: cellules HeLa,

IHC: tissu de cancer du foie humain, tissu rénal humain

IF: tissu de cancer du foie humain,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Guangping Lu	36235670	Nutrients	WB,IF
Yanan Zhao	36166594	J Agric Food Chem	WB
Zhenmao Jia	36238566	Front Pharmacol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquoteur n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

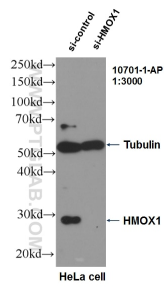
For technical support and original validation data for this product please contact:

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

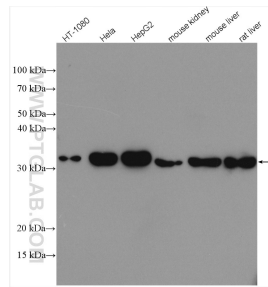
E: proteintech@ptglab.com
W: ptglab.com

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

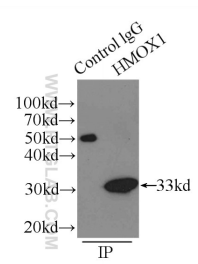
Données de validation sélectionnées



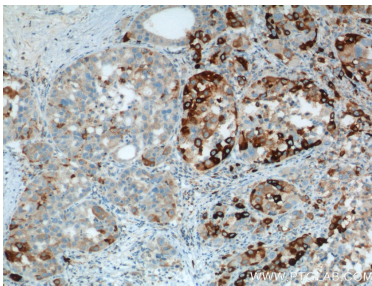
WB result of HMOX1 antibody (10701-1-AP, 1:3000) with si-Control and si-HMOX1 transfected HeLa cells.



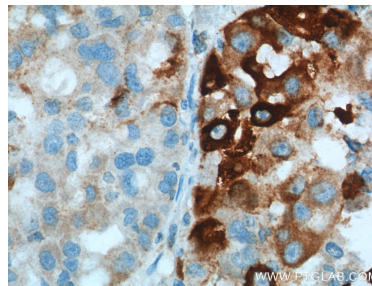
Various lysates were subjected to SDS PAGE followed by western blot with 10701-1-AP (HO-1/HMOX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



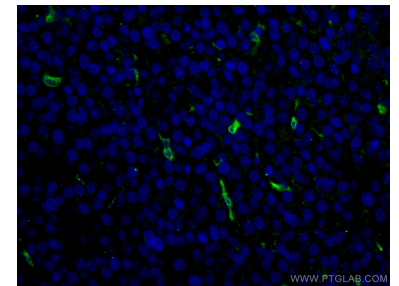
IP Result of anti-HMOX1 (IP:10701-1-AP, 3ug; Detection:10701-1-AP 1:1000) with HeLa cells lysate 3000ug.



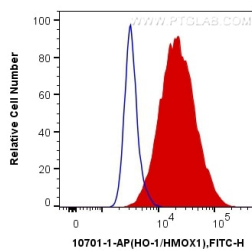
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10701-1-AP (HMOX1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10701-1-AP (HMOX1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using HO-1/HMOX1 antibody (10701-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human HO-1/HMOX1 (10701-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).