

À des fins de recherche uniquement

Anticorps Monoclonal anti-HO-1/HMOX1



Numéro de catalogue: 66743-1-Ig

Phare

89 Publications

Informations de base

Numéro de catalogue: 66743-1-Ig	Numéro d'acquisition GenBank: BC001491	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop and 523 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 3162	CloneNo.: 2D10A5
Hôte: Mouse	Nom complet: heme oxygenase (decycling) 1	Dilutions recommandées: WB 1:1000-1:6000 IHC 1:500-1:2000 IF 1:200-1:800
Isotype: IgG2a	MW calculé: 33 kDa	
Immunogen Catalog Number: AG21296	MW observés: 33 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, Lapin, porc, rat, souris

Espèces citées:
Humain, porc, rat, souris

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

Contrôles positifs:

WB : cellules HEK-293, cellules A549, cellules HeLa, cellules HepG2, cellules HSC-T6, tissu hépatique de lapin, tissu hépatique de porc, tissu hépatique de rat, tissu splénique de porc, tissu splénique de rat

IHC : tissu de cancer du foie humain, tissu de carcinome à cellules rénales humain, tissu rénal humain

IF : tissu hépatique de rat,

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
Jinliang Liu	34630847	Oxid Med Cell Longev	WB
Katarzyna Magierowska	31568823	Free Radic Biol Med	IHC
Zi-Chao Wang	36163178	Cell Death Dis	WB

Stockage

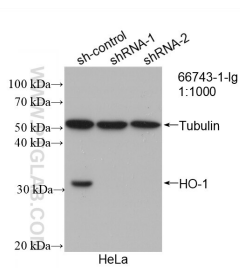
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azote de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

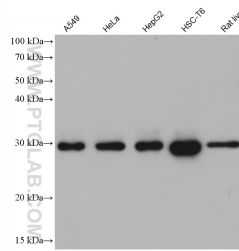
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

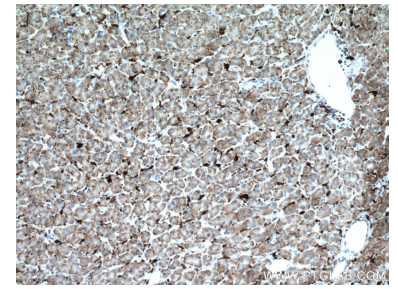
Données de validation sélectionnées



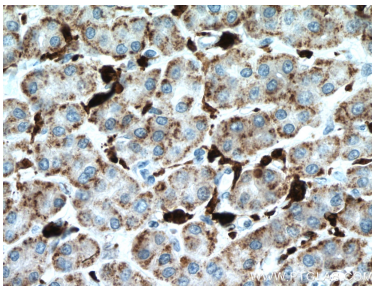
WB result of HO-1/HMOX1 antibody (66743-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HO-1/HMOX1 transfected HeLa cells.



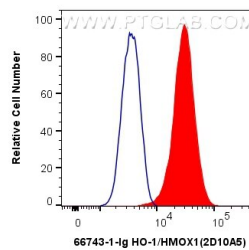
Various lysates were subjected to SDS PAGE followed by western blot with 66743-1-Ig (HO-1/HMOX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



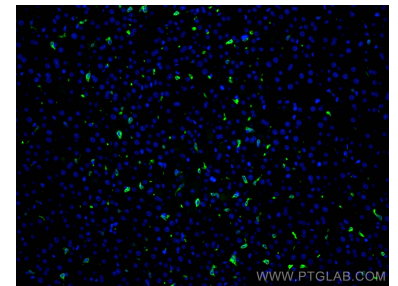
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66743-1-Ig (HO-1/HMOX1 antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



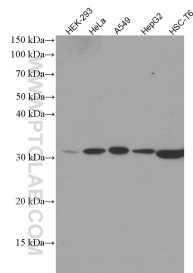
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66743-1-Ig (HO-1/HMOX1 antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



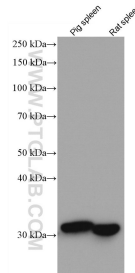
1×10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human HO-1/HMOX1 (66743-1-Ig, Clone:2D10A5) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed rat liver tissue using HO-1/HMOX1 antibody (66743-1-Ig, Clone: 2D10A5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66743-1-Ig (HO-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66743-1-Ig (HO-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.