For Research Use Only

HO-1/HMOX1 Polyclonal antibody

Catalog Number:10701-1-AP

Featured Product 1216 Publications

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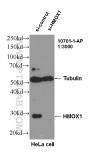
Basic Information	Catalog Number:GenBank10701-1-APBC00149		on Number:	Purification Method: Antigen affinity purification	
	Size: 150ul , Concentration: 800 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG1190	GeneID (NCBI): 3162 UNIPROT ID: P09601 Full Name: heme oxygenase Calculated MW: 33 kDa Observed MW: 28-33 kDa	(decycling) 1	Recommended Dilutions: WB: 1:1000-1:6000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500 IF-P: 1:50-1:500 IF-Fro: 1:50-1:500 FC (Intra): 0.40 ug per 10^6 cells in a 100 μl suspension	
Applications	Tested Applications: WB, IHC, IF-P, IF-Fro, FC (Intra), IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP		Positive Co	Positive Controls:	
			cells, mous	WB : HT-1080 cells, HeLa cells, rat spleen tissue, HepG cells, mouse liver tissue, rat liver tissue, mouse kidney tissue, mouse spleen tissue	
	Species Specificity:		IP : HeLa ce	IP : HeLa cells,	
	human, mouse, rat		IHC : mouse	IHC : mouse spleen tissue,	
	Cited Species: human, mouse, rat, pig, monkey, chicken, bovine, goat		IF-P : mous	IF-P : mouse spleen tissue,	
	Note-IHC: suggested antigen retrieval with		IF-Fro:mo	IF-Fro : mouse spleen tissue,	
	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen	FC (Intra) :	HeLa cells,	
Background Information	quantities of biliverdin Ixa, carbon m HO-2 and HO-3 are constitutively ex tissues and vascular smooth muscle important endogenous protective fac infiammatory cytokines, oxidative st	nonoxide (CO), and pressed (PMID:101 cells, and endothel ctor induced in mar ress, heat shock, he	l iron. It has 3 isof 94478). Heme oxy ial cells (PMID:15 ny cell types by va eavy metals, and	e degradation of heme to yield equimolar forms: HO-1 is highly inducible, whereas ygenase-1 (HO-1) is expressed in many 5451051) and has been identified as an arious stimulants, such as hemolysis, endotoxin (PMID: 11522663). And the full- s an inactive, soluble form (28 kDa) (James	
Notable Publications	Author Pu	bmed ID J	ournal	Application	
			Agric Food Chem		
			-		
	Guangping Lu 36	235670	lutrients	WB,IF	
			ront Pharmacol	WB,IF WB	
Storage		238566 F eer shipment. % glycerol, pH7.3			

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA)

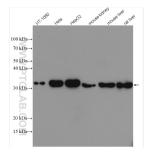
W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

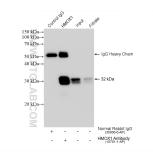
Selected Validation Data



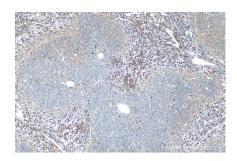
WB result of HMOX1 antibody (10701-1-AP, 1:3000) with si-Control and si-HMOX1 transfected HeLa cells.



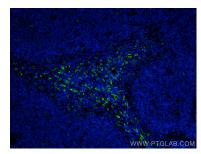
Various lysates were subjected to SDS PAGE followed by western blot with 10701-1-AP (HO-1/HMOX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



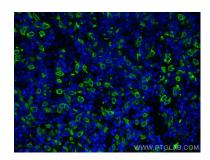
IP result of anti-HO-1/HMOX1 (IP:10701-1-AP, 4ug; Detection:10701-1-AP 1:20000) with HeLa cells lysate 1360 ug.



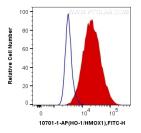
Immunohistochemical analysis of paraffinembedded mouse spleen tissue slide using 10701-1-AP (HO-1/HMOX1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



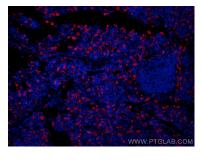
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using HO-1/IMOX1 antibody (10701-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



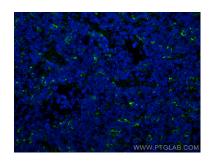
Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using HO-1/IMOX1 antibody (10701-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 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).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using HO-1/HMOX1 antibody (10701-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of frozen OCTembedded mouse spleen tissue using HO-1/HMOX1 antibody (10701-1-AP) at dilution of 1:200 and Coralite®488-Conjugated AffniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).