

For Research Use Only

HO-1 Recombinant antibody, PBS Only



Catalog Number: 81281-1-PBS

Featured Product

Basic Information

Catalog Number: 81281-1-PBS	GenBank Accession Number: BC001491	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3162	CloneNo.: 2M6
Source: Rabbit	UNIPROT ID: P09601	
Isotype: IgG	Full Name: heme oxygenase (decycling) 1	
Immunogen Catalog Number: AG1190	Calculated MW: 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, 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).

Storage

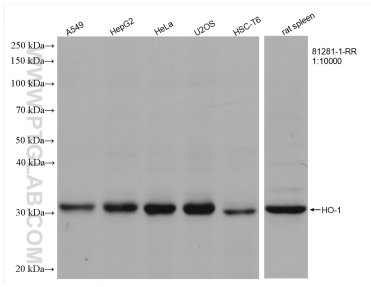
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

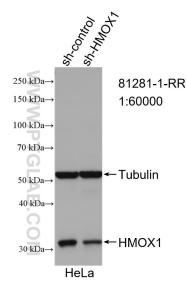
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

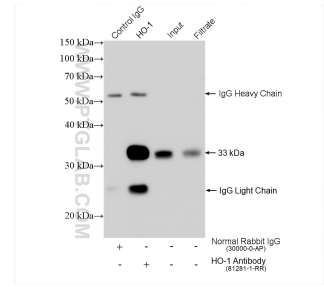
Selected Validation Data



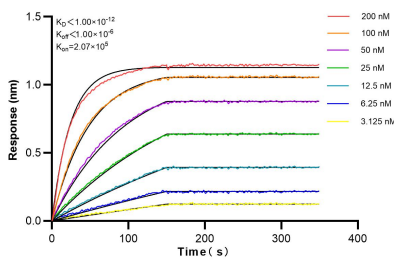
Various lysates were subjected to SDS PAGE followed by western blot with 81281-1-RR (HO-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81281-1-PBS in a different storage buffer formulation.



WB result of HO-1 antibody (81281-1-RR; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HO-1 transfected HeLa cells. This data was developed using the same antibody clone with 81281-1-PBS in a different storage buffer formulation.



IP result of anti-HO-1 (IP:81281-1-RR, 4ug; Detection:81281-1-RR 1:8000) with HeLa cells lysate 1560 ug. This data was developed using the same antibody clone with 81281-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81281-1-RR against Human HO-1 were performed. The affinity constant is below 1 pM.