For Research Use Only

## Ferritin heavy chain Recombinant antibody

Catalog Number:83428-1-RR

Featured Product

4 Publications

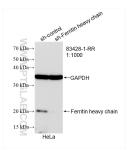


Basic Information	Catalog Number: 83428-1-RR	GenBank Accession Number: BC000857	Purification Method: Protein A purfication	
	Size:	GenelD (NCBI):	CloneNo.:	
	100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG2290	2495	230312F3	
		UNIPROT ID: P02794	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:500	
				Full Name:
		ferritin, heavy polypeptide 1		
		Calculated MW: 183 aa, 21 kDa		
		Observed MW: 21 kDa		
		Applications	Tested Applications:	Positive Controls: WB : HeLa cells, human liver tissue, human placenta
WB, IF/ICC, ELISA				
Cited Applications:	tissue			
WB IF/ICC : HeLa cells,			: HeLa cells,	
Species Specificity:				
human				
	Cited Species: human, rat			
Background Information	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to iron in reactive oxygen species gene	essential role in catalyzing the or giogenesis during inflammation its anti-angiogenic activity on or protect proximal tube epithelial	a subunit of the ferritin complex, exhibits conversion of the ferrous ions (Fe2+) to the n and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free role in the maintenance of the cellular iron	
	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to	essential role in catalyzing the or giogenesis during inflammation its anti-angiogenic activity on or protect proximal tube epithelial	conversion of the ferrous ions (Fe2+) to the n and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free	
	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to iron in reactive oxygen species gene balance in ferroptosis.	essential role in catalyzing the or giogenesis during inflammation its anti-angiogenic activity on or protect proximal tube epithelial	conversion of the ferrous ions (Fe2+) to the n and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free	
Background Information	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to p iron in reactive oxygen species gene balance in ferroptosis.	essential role in catalyzing the o giogenesis during inflammation its anti-angiogenic activity on e protect proximal tube epithelial ration. FTH1 plays an important	conversion of the ferrous ions (Fe2+) to the and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free role in the maintenance of the cellular iron Application	
	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to p iron in reactive oxygen species gener balance in ferroptosis. Author Pub Gizzy Keeler 395	essential role in catalyzing the origing enesis during inflammation its anti-angiogenic activity on e protect proximal tube epithelial ration. FTH1 plays an important med ID Journal	conversion of the ferrous ions (Fe2+) to the n and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free role in the maintenance of the cellular iron Application ) WB	
	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to p iron in reactive oxygen species gener balance in ferroptosis. Author Pub Gizzy Keeler 395	essential role in catalyzing the origination of the second stress of the	conversion of the ferrous ions (Fe2+) to the n and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free role in the maintenance of the cellular iron Application ) WB	
Notable Publications	human, rat Ferritin heavy chain(FTH1, ferritin, he ferroxidase activity, which serves an ferric form (Fe3+). FTH1 regulates an weight kininogen (HKa) and blocking 33260500). FTH1 has been shown to j iron in reactive oxygen species gene balance in ferroptosis. Author Pub Gizzy Keeler 395 Pin Fang 393 Storage: Storage Storage Storage Storage Buffer:	essential role in catalyzing the of giogenesis during inflammation its anti-angiogenic activity on e protect proximal tube epithelial ration. FTH1 plays an important <b>94692</b> Cancers (Basel) 68783 Eur J Pharm Scient Shipment.	conversion of the ferrous ions (Fe2+) to the n and malignancy by binding to high molecula endothelial cells in vitro and in vivo(PMID: cells and kidneys against the activity of free role in the maintenance of the cellular iron Application ) WB	

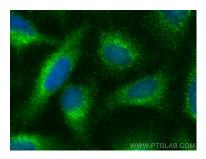
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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

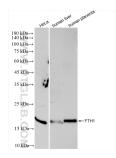
## Selected Validation Data



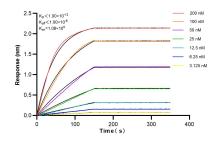
WB result of Ferritin heavy chain antibody (83428-1-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Ferritin heavy chain transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Ferritin heavy chain antibody (83428-1-RR, Clone: 230312F3) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



Various lysates were subjected to SDS PAGE followed by western blot with 83428-1-RR (Ferritin heavy chain antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83428-1-RR against Human FTH1 were performed. The affinity constant is below 1 pM.