10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HPX Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant HPX.
Catalog # AT2435a

Product Information

Application	WB, IP, E
Primary Accession	P02790
Other Accession	BC005395
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3A9-1A9
Calculated MW	51676

Additional Information

Gene ID	3263
Other Names	Hemopexin, Beta-1B-glycoprotein, HPX
Target/Specificity	HPX (AAH05395, 1 a.a. ~ 254 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	HPX Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

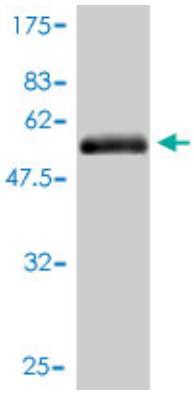
This gene encodes a plasma glycoprotein that binds heme with high affinity. The encoded protein is an acute phase protein that transports heme from the plasma to the liver and may be involved in protecting cells from oxidative stress.

References

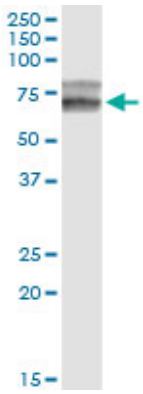
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.MMP20 hemopexin domain mutation in amelogenesis imperfecta. Lee SK, et al. J Dent Res, 2010 Jan. PMID 19966041.Gene-centric association signals for lipids and apolipoproteins

identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Proteomics-derived cerebrospinal fluid markers of autopsy-confirmed Alzheimer's disease. Roher AE, et al. Biomarkers, 2009 Nov. PMID 19863188.Chromatographically distinguishable heme insertion isoforms of human hemopexin. Mauk MR, et al. Biochemistry, 2007 Dec 25. PMID 18044975.

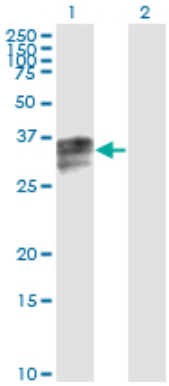
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (53.68 KDa) .

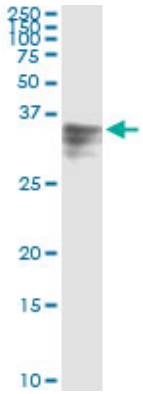


HPX monoclonal antibody (M01), clone 3A9-1A9. Western Blot analysis of HPX expression in human liver.

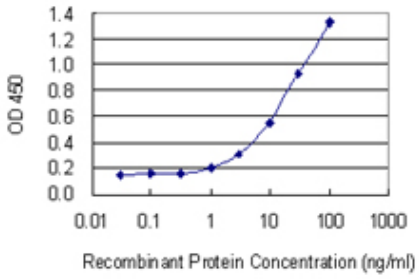


Western Blot analysis of HPX expression in transfected 293T cell line by HPX monoclonal antibody (M01), clone 3A9-1A9.

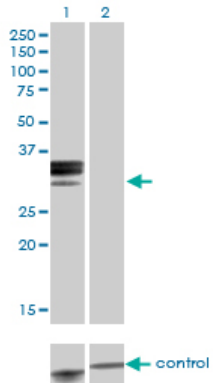
Lane 1: HPX transfected lysate (Predicted MW: 28.6 KDa).
Lane 2: Non-transfected lysate.



Immunoprecipitation of HPX transfected lysate using anti-HPX monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with HPX MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged HPX is 0.3 ng/ml as a capture antibody.



Western blot analysis of HPX over-expressed 293 cell line, cotransfected with HPX Validated Chimera RNAi ((Cat # AT2435a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.