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HPR Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11111c

Product Information

Application	IHC-P, WB, E
Primary Accession	P00739
Other Accession	NP_066275.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18726
Calculated MW	39030
Antigen Region	212-240

Additional Information

Gene ID	3250
Other Names	Haptoglobin-related protein, HPR
Target/Specificity	This HPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 212-240 amino acids from the Central region of human HPR.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HPR Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HPR
Function	Primate-specific plasma protein associated with apolipoprotein L-I (apoL-I)-containing high-density lipoprotein (HDL). This HDL particle, termed trypanosome lytic factor-1 (TLF-1), mediates human innate immune protection against many species of African trypanosomes. Binds hemoglobin

	with high affinity and may contribute to the clearance of cell-free hemoglobin to allow hepatic recycling of heme iron.
Cellular Location	Secreted. Note=Secreted into blood plasma and associated with subtypes of high density lipoproteins (HDL).
Tissue Location	In adult liver the amount of HPR mRNA is at the lower limit of detection, therefore the extent of its expression is at most less than 1000-fold that of the HP1F gene. No HPR mRNA can be detected in fetal liver. Expressed in Hep-G2 and leukemia MOLT-4 cell lines.

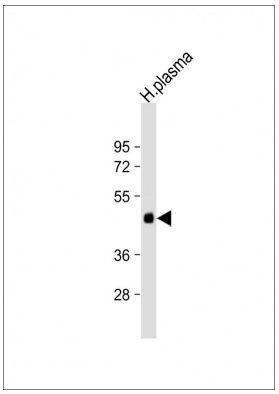
Background

Ubiquitous transcription factor required for a diverse set of processes. It is a component of the CCR4 complex involved in the control of gene expression (By similarity).

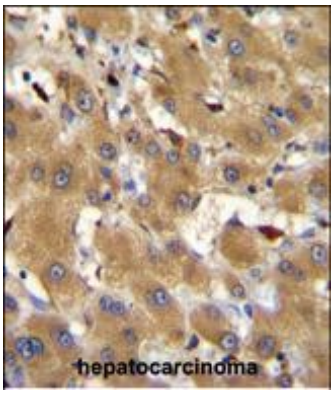
References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Harrington, J.M., et al. J. Biol. Chem. 284(20):13505-13512(2009)
Widener, J., et al. PLoS Pathog. 3(9):1250-1261(2007)
Vanhollebeke, B., et al. Proc. Natl. Acad. Sci. U.S.A. 104(10):4118-4123(2007)

Images



Anti-HPR Antibody (Center) at 1:16000 dilution + human plasma lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



HPR Antibody (Center) (Cat. #AP11111c)immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HPR Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.