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HPR Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11111c

Specification

HPR Antibody (Center) - Product Information

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

HPR Antibody (Center) - 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
WB~~1:1000
IHC-P~~1:50~100

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.

HPR Antibody (Center) - 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).

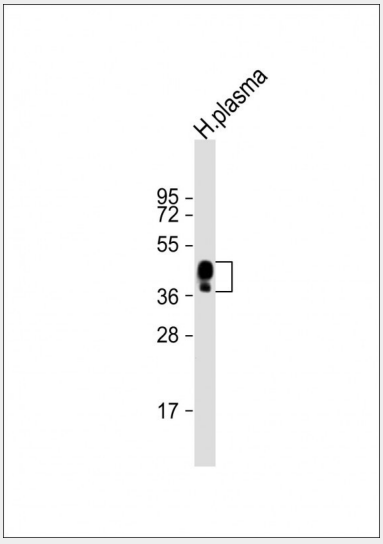
Tissue Location
In adult liver the amount of HPR mRNA is at the lower limit of detection, therefore the extent of its expression is at most less than 1000-fold that of the HP1F gene. No HPR mRNA can be detected in fetal liver. Expressed in Hep-G2 and leukemia MOLT-4 cell lines.

HPR Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

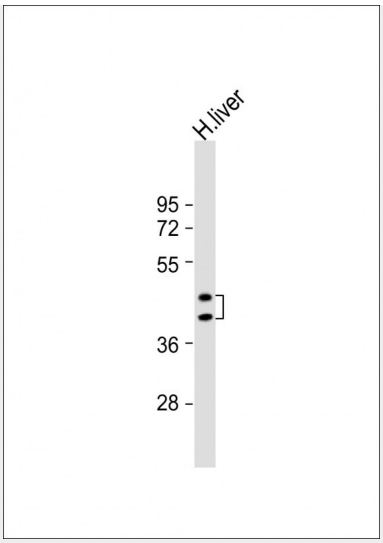
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HPR Antibody (Center) - Images

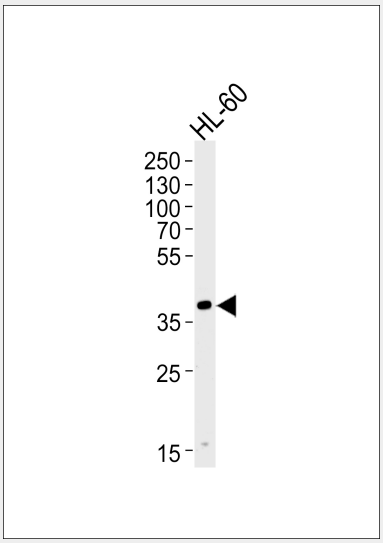


Anti-HPR Antibody (Center) at 1:2000 dilution + human plasma lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

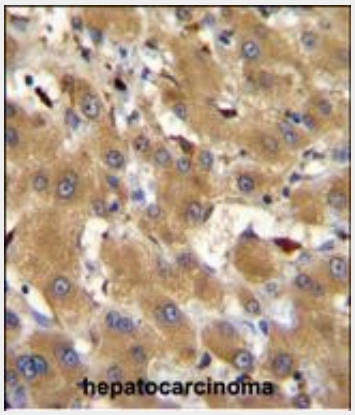
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Anti-HPR Antibody (Center) at 1:8000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysate from HL-60 cell line, using HPR Antibody (Center)(Cat. #AP11111c). AP11111c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.



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.

HPR Antibody (Center) - 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).

HPR Antibody (Center) - 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)