

# QDPR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8841b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P09417</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB21142
<b>Calculated MW</b>	25790
<b>Antigen Region</b>	218-243

## Additional Information

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<b>Gene ID</b>	5860
<b>Other Names</b>	Dihydropteridine reductase, HDHPR, Quinoid dihydropteridine reductase, QDPR, DHPR
<b>Target/Specificity</b>	This QDPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-243 amino acids from the C-terminal region of human QDPR.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	QDPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	QDPR
<b>Synonyms</b>	DHPR, SDR33C1
<b>Function</b>	Catalyzes the conversion of quinonoid dihydrobiopterin into tetrahydrobiopterin.

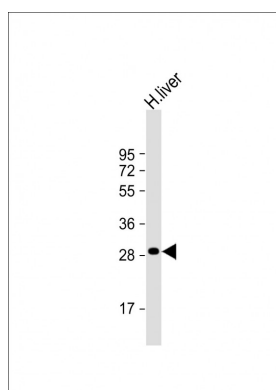
## Background

QDPR is the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems.

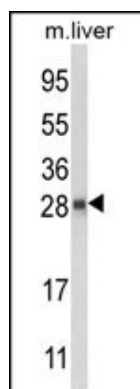
## References

Schnetz-Boutaud, N.C., et.al., Genes Brain Behav. 8 (8), 753-757 (2009)

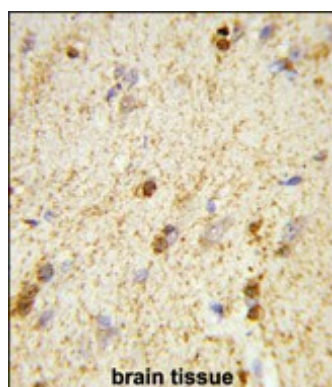
## Images



Anti-QDPR Antibody (C-term) at 1:1000 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 : 26 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

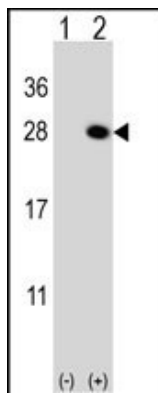


Western blot analysis of QDPR Antibody (C-term) (Cat. #AP8841b) in mouse liver tissue lysates (35ug/lane). QDPR (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with QDPR Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Western blot analysis of QDPR (arrow) using rabbit polyclonal QDPR Antibody (C-term) (Cat. #AP8841b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the QDPR gene.



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