

QDPR Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8841b**Specification**

QDPR Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P09417
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	25790
Antigen Region	218-243

QDPR Antibody (C-term) - Additional Information**Gene ID** 5860**Other Names**

Dihydropteridine reductase, DHPR, Quinoid dihydropteridine reductase, QDPR, DHPR

Target/Specificity

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.

Dilution

WB~~1:1000

IHC-P~~1:50~100

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

QDPR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

QDPR Antibody (C-term) - Protein Information**Name** QDPR**Synonyms** DHPR, SDR33C1

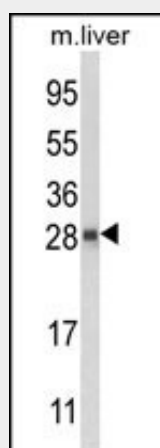
Function Catalyzes the conversion of quinonoid dihydrobiopterin into tetrahydrobiopterin.

QDPR Antibody (C-term) - Protocols

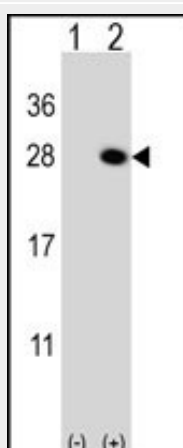
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

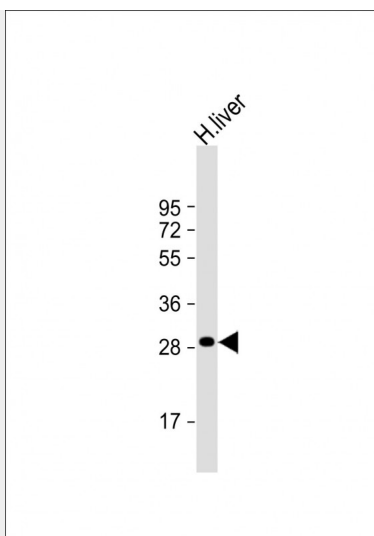
QDPR Antibody (C-term) - Images



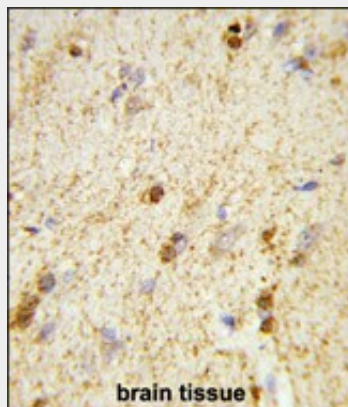
Western blot analysis of QDPR Antibody (C-term) (Cat. #AP8841b) in mouse liver tissue lysates (35ug/lane). QDPR (arrow) was detected using the purified Pab.



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.



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.



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.

QDPR Antibody (C-term) - 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.

QDPR Antibody (C-term) - References

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