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QDPR Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8841b

Product Information

Application	WB, IHC-P, E
Primary Accession	P09417
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21142
Calculated MW	25790
Antigen Region	218-243

Additional Information

Gene ID	5860
Other Names	Dihydropteridine reductase, HDHPR, 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~~1:100~500 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.

Protein Information

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

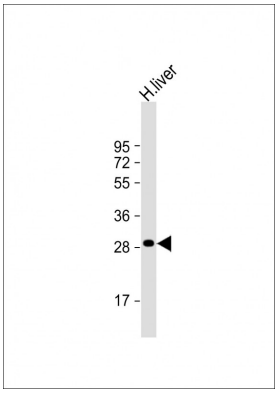
Background

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.

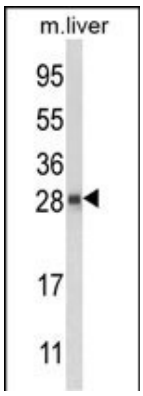
References

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

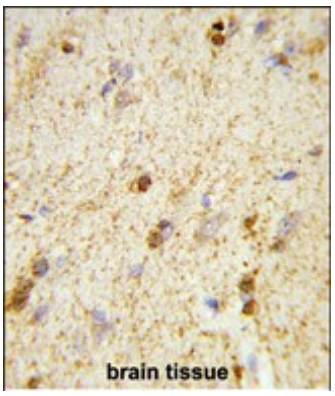
Images



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.

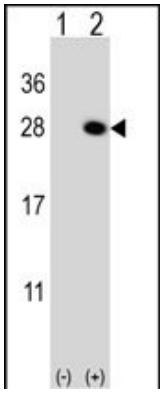


Western blot analysis of QDPR Antibody (C-term) (Cat. #AP8841b) in mouse liver tissue lysates (35ug/lane). QDPR (arrow) was detected using the purified Pab.



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'.