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Datasheet for ABIN6146531
anti-QDPR antibody (AA 1-244)

2 Images

Overview

Quantity:	100 µL
Target:	QDPR
Binding Specificity:	AA 1-244
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This QDPR antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-244 of human QDPR (NP_000311.2).
Sequence:	MAAAAAAGEA RRVLVYGGRG ALGSRVQAF RARNWWVASV DVVENEESA SIIVKMTDSF TEQADQVTAE VGKLLGEEKV DAILCVAGGW AGGNAKSKSL FKNCDLMWKQ SIWTSTISSH LATKHLKEGG LLTLAGAKAA LDGTPGMIGY GMAKGAVHQL CQSLAGKNSG MPPGAAAIAV LPVTLDTPMN RKSMPEADFS SWTPLEFLVE TFHDWITGKN RPSSGSLIQV VTTEGRTLT PAYF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

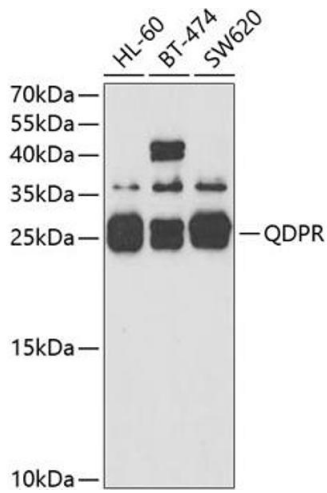
Target:	QDPR
Alternative Name:	QDPR (QDPR Products)
Background:	This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant splicing, amino acid substitutions, insertions, or premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient production of biopterin, a cofactor for phenylalanine hydroxylase.,QDPR,DHPR,PKU2,SDR33C1,Cancer,Signal Transduction,Endocrine & Metabolism,Amino acid metabolism,QDPR
Molecular Weight:	22 kDa/25 kDa
Gene ID:	5860
UniProt:	P09417

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using QDPR antibody (ABIN6127808, ABIN6146531, ABIN6146532 and ABIN6221400) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using QDPR antibody.

