

DNAxPAb

Hard-to-Find
Antibody

QDPR DNAxPab

Catalog # H00005860-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human QDPR DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAAAAAAGEARRVLVYGGRGALGSRVQAFRRNWWVASVDVVENEEASASIVKMTDSFTEQ ADQVTAEVGKLLGEEKVDAILCVAGGWAGGNAKSKSLFKNCGLMWKQSWTSTISSHLATKHLK EGLLTLAGAKAALDGTGPMIGYGMAGAVHQLCQSLAGKNSGMPPGAAAIAVLPVTLDTMPNR KSMPEADFSSWTPLEFLVETFDHWITGKNRPSSGSLIQVVTTEGRTLTPAYF
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — QDPR

Entrez GeneID [5860](#)

GeneBank Accession# [BC000576](#)

Protein Accession# [AAH00576](#)

Gene Name QDPR

Gene Alias DHPR, FLJ42391, PKU2, SDR33C1

Gene Description quinoid dihydropteridine reductase

Omim ID [261630](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations 6,7-dihydropteridine reductase|short chain dehydrogenase/reductase family 33C, member 1

Pathway

- [Folate biosynthesis](#)
- [Metabolic pathways](#)

Disease

- [Anorexia Nervosa](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Dystonic Disorders](#)

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)