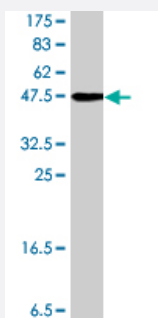


# QDPR polyclonal antibody (A01)

Catalog # H00005860-A01

Size 50 uL

## Applications



Western Blot detection against Immunogen (52.95 KDa) .

## Specification

|                               |                                                                                                                                                                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Mouse polyclonal antibody raised against a full-length recombinant QDPR.                                                                                                                                                                                      |
| Immunogen                     | QDPR (AAH00576, 1 a.a. ~ 244 a.a) full-length recombinant protein with GST tag.                                                                                                                                                                               |
| Sequence                      | MAAAAAAGEARRVLVYGGRGALGSRCVQAFRARNWWVASVDVVENEEASASIVKMTDSFTEQ<br>ADQVTAEVGKLLGEEKVDAILCVAGGWAGGNAKSKSLFKNCGLMWKQSIWTSTISSHLATKHLK<br>EGGLTLAGAKAALDGTGPMIGYGMAGAVHQLCQSLAGKNSGMPPGAAAIVLPVTLDTMPNR<br>KSMPEADFSSWTPLEFLVETFDHWITGKNRPSSGSLIQVVTTEGRTELT PAYF |
| Host                          | Mouse                                                                                                                                                                                                                                                         |
| Reactivity                    | Human                                                                                                                                                                                                                                                         |
| Interspecies Antigen Sequence | Mouse (94); Rat (95)                                                                                                                                                                                                                                          |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (52.95 KDa) .                                                                                                                                                      |
| Storage Buffer                | 50 % glycerol                                                                                                                                                                                                                                                 |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                      |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## 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](#)