QDPR rabbit monoclonal antibody

Catalog # H00005860-K

Size 100 ug x up to 3

Specification **Product Description** Rabbit monoclonal antibody raised against a human QDPR peptide using ARM Technology. Immunogen A synthetic peptide of human QDPR is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. Host Rabbit Library Construction Non-fusion antibody library from rabbit spleen (ARM Technology). Expression Overexpression vector and transfection into 293H cell line. Reactivity Human **Purification** Protein A lsotype lgG **Quality Control Testing** Antibody reactive against human QDPR peptide by ELISA and mammalian transfected lysate by We stern Blot. **Storage Buffer** In 1x PBS, pH 7.4 **Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. Deliverable Up to three rabbit IgG clones of 100 ug each will be delivered to customer. Note 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

Western Blot (Transfected lysate)

Protocol Download



• ELISA

Gene Info — QDPR

Entrez GenelD	<u>5860</u>
GeneBank Accession#	QDPR
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-dep endent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR defi ciency include aberrant splicing, amino acid substitutions, insertions, or premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient pro duction 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

- <u>Anorexia Nervosa</u>
- <u>Autistic Disorder</u>
- Bipolar Disorder
- <u>Bulimia</u>
- Dystonic Disorders

😵 Abnova

Product Information

- Genetic Predisposition to Disease
- Tobacco Use Disorder