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QDPR

Reactivity: Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:25kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human QDPR

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

DHPR; PKU2; SDR33C1;

Catalog #:A5733

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5860

Isotype: IgG

Swiss Prot:P09417

Purity: Affinity purification

For research use only.

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.

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