

## 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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