A5733

Leader in Biomolecular Solutions for Life Science

2 Publications

QDPR Rabbit pAb

Catalog No.: A5733



Basic Information

Observed MW 26kDa

Calculated MW 26kDa

Category Mouse Monoclonal Antibody

Applications WB,ELISA

Cross-Reactivity Human,Mouse,Rat

Background

This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADHmediated 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.

Recommended Dilutions

Immunogen Information

WB

1:500 - 1:2000

Gene ID 5860 Swiss Prot P09417

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-244 of human QDPR (NP_000311.2).

Synonyms

DHPR; PKU2; HDHPR; SDR33C1; QDPR

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Product Information

www.abclonal.com

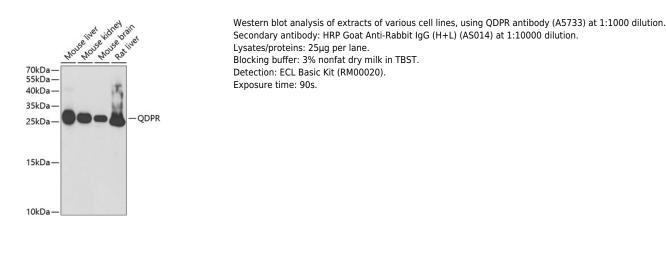
Source Rabbit **Isotype** IgG Purification Affinity purification

Storage

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

Validation Data

10kDa



Western blot analysis of extracts of various cell lines, using QDPR antibody (A5733) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution._Lysates/proteins: 25µg per lane._Blocking buffer: 3% nonfat dry milk in TBST._Detection: ECL 70kPhranced Kit (RM00021)._Exposure time: 90s. 40kDa – 35kDa – 25kDa – QDPR 15kDa –