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QDPR

Reactivity: Human Mouse

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:1000 IHC 1:50 - 1:100

Calculated MW:26kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human QDPR

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

DHPR; FLJ42391; PKU2; SDR33C1;

Catalog #:A3150

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5860

Isotype: IgG

Swiss Prot:P09417

Purity: Affinity purification

For research use only.

Background:

Dihydropteridine reductase (QDPR), also named as DHPR and HDHPR, is an essential enzyme in the hydroxylating system of the aromatic amino acids, since it catalyses the regeneration of tetrahydrobiopterin (BH4), the natural cofactor of phenylalanine, tyrosine, and tryptophan hydroxylases, from the quininoid-dihydrobiopterin produced in these coupled reactions(PMID:8326489). The QDPR protein is active as a dimer, with a subunit Mr of 26 kDa(PMID:7627180). This protein belongs to the short-chain dehydrogenases/reductases (SDR) family. Defects in QDPR are the cause of BH4-deficient hyperphenylalaninemia type C (HPABH4C)(PMID:11153907). This antibody is specific to QDPR.

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