# **QDPR Rabbit pAb**

Catalog No.: A5733 2 Publications



## **Basic Information**

### **Observed MW**

26kDa

### **Calculated MW**

26kDa

### Category

Primary antibody

## **Applications**

WB,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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.

## **Recommended Dilutions**

**WB** 1:500 - 1:2000

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

**Gene ID**5860

Swiss Prot
P09417

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

DHPR; PKU2; HDHPR; SDR33C1; QDPR

## **Contact**

<u>a</u>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
$\odot$	1	www.abclonal.com.cn

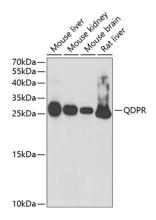
# **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

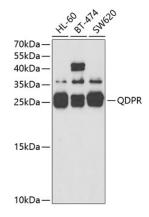


Western blot analysis of various lysates using QDPR Rabbit pAb (A5733) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of various lysates using QDPR Rabbit pAb (A5733) at 1:3000 dilution.\_Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.\_Lysates/proteins: 25µg per lane.\_Blocking buffer: 3% nonfat dry milk in TBST.\_Detection: ECL Enhanced Kit (RM00021).\_Exposure time: 90s.