



## Datasheet for ABIN7261688 anti-QDPR antibody



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### 2 Images

#### Overview

|              |  |
|--------------|--|
| Quantity:    | 200 µL   |
| Target:      | QDPR   |
| Reactivity:  | Human, Mouse, Rat                              |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal                                     |
| Conjugate:   | This QDPR antibody is un-conjugated            |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

#### Product Details

|                  |   |
|------------------|---|
| Immunogen:       | Recombinant fusion protein of human QDPR (NP_000311.2). |
| Isotype:         | IgG   |
| Characteristics: | Polyclonal Antibody                                     |
| Purification:    | Affinity purification                                   |

#### Target Details

|                   |  |
|-------------------|--|
| Target:           | QDPR   |
| Alternative Name: | QDPR ( <a href="#">QDPR Products</a> )   |
| 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 |

## Target Details

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premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient production of bipterin, a cofactor for phenylalanine hydroxylase.

Molecular Weight: Observed\_MW: 26 kDa  
Calculated\_MW: 22 kDa/25 kDa

Gene ID: 5860

UniProt: [P09417](#)

## Application Details

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Application Notes: WB 1:500-1:2000 IF 1:50-1:100

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 mg/mL

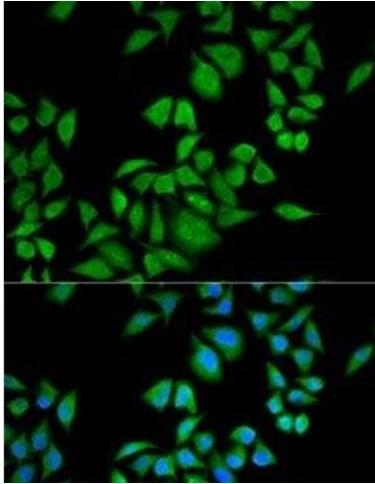
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

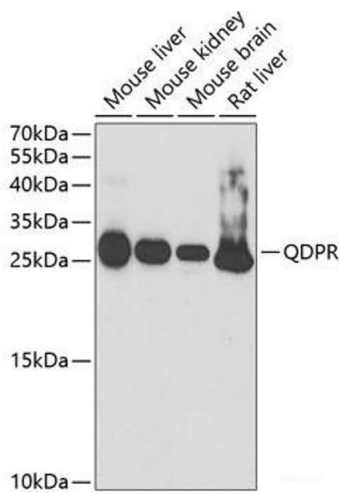
Storage: -20 °C

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



### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using QDPR Polyclonal Antibody



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using QDPR Polyclonal Antibody at dilution of 1:1000.