

## QDPR RABBIT PAB

**Cat.#:** S212543

**Product Name:** Anti-QDPR Rabbit Polyclonal Antibody

**Synonyms:** DHPR; PKU2; HDHPR; SDR33C1

**UNIPROT ID:** P09417 (Gene Accession - BC000576 )

**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.

**Immunogen:** Fusion protein of human QDPR

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

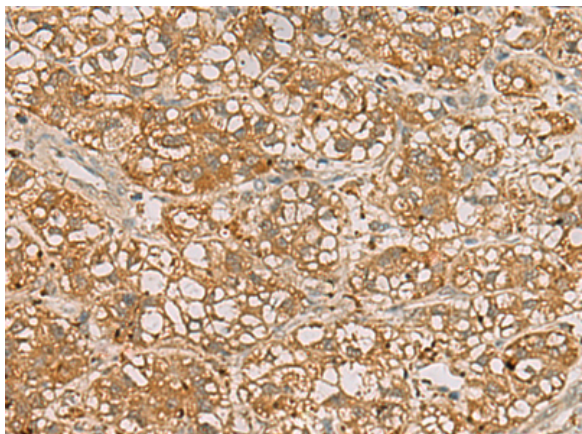
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

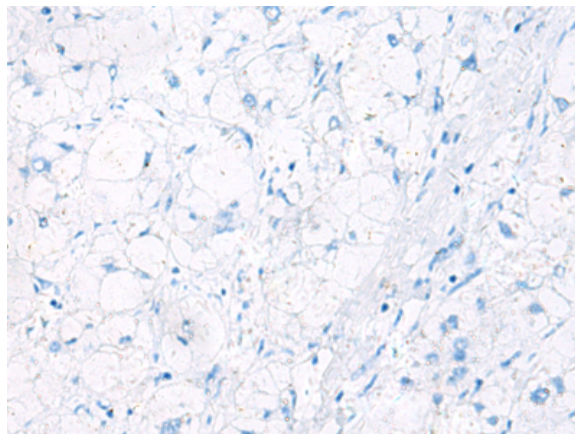
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism

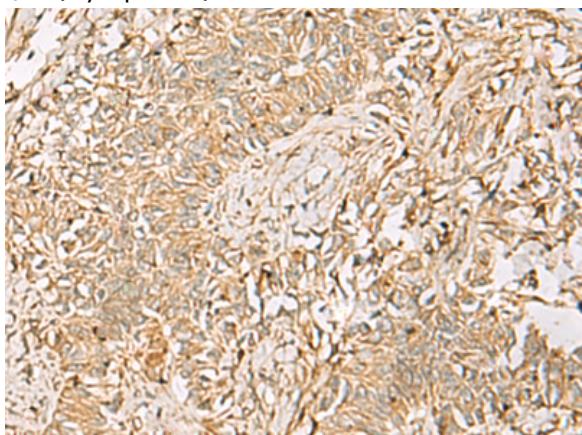
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



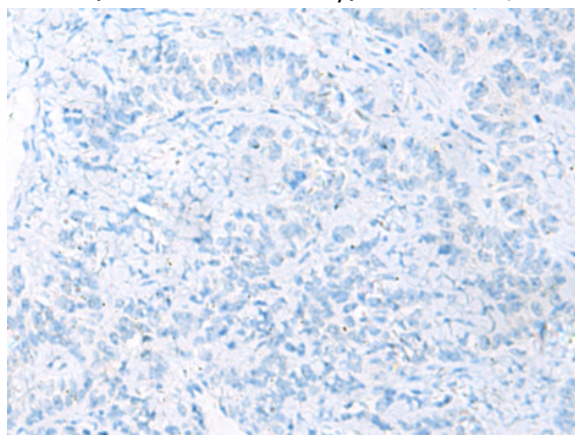
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 212543(QDPR Antibody) at a dilution of 1/70(Cytoplasm).



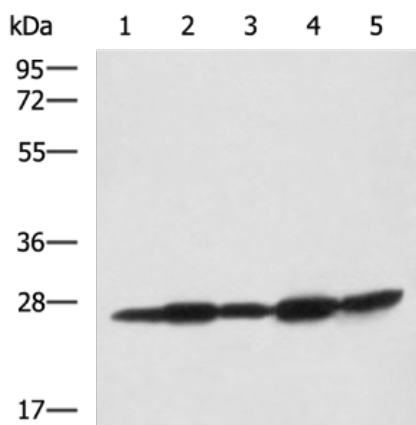
In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the fusion protein and then with 212543(Anti-QDPR Antibody) at dilution 1/70.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 212543(Anti-QDPR Antibody) at a dilution of 1/70.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with fusion protein and then with D125353(Anti-QDPR Antibody) at dilution 1/70.



Gel: 12%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-5: Mouse liver tissue, Mouse brain tissue, Rat brain tissue, Rat liver tissue and Human fetal liver tissue lysates;  
 Primary antibody: 212543(QDPR Antibody) at dilution 1/800;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 30 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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