

Product datasheet for **TA365983**

QDPR Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 500-2000 WB positive control: Mouse liver tissue, Mouse brain tissue, Rat brain tissue, Rat liver tissue and Human fetal liver tissue lysates IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein of human QDPR |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. |
| Stability: | 1 year |
| Predicted Protein Size: | 26 kDa |
| Gene Name: | quinoid dihydropteridine reductase |
| Database Link: | Entrez Gene 5860 Human P09417 |



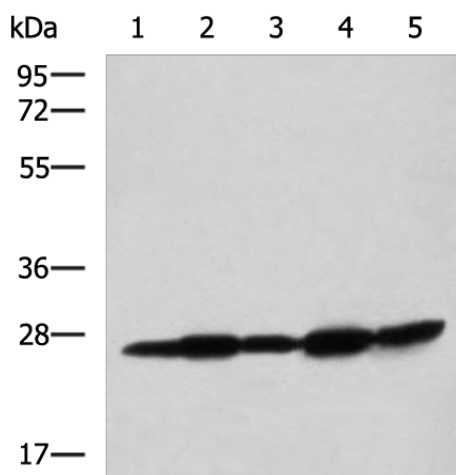
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Background:

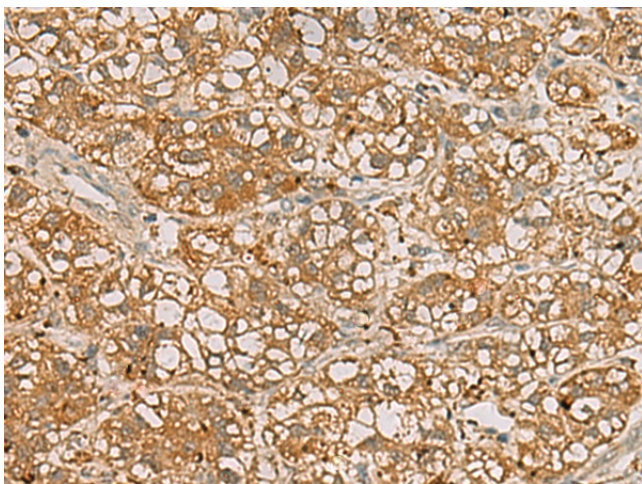
This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant 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.

Synonyms:

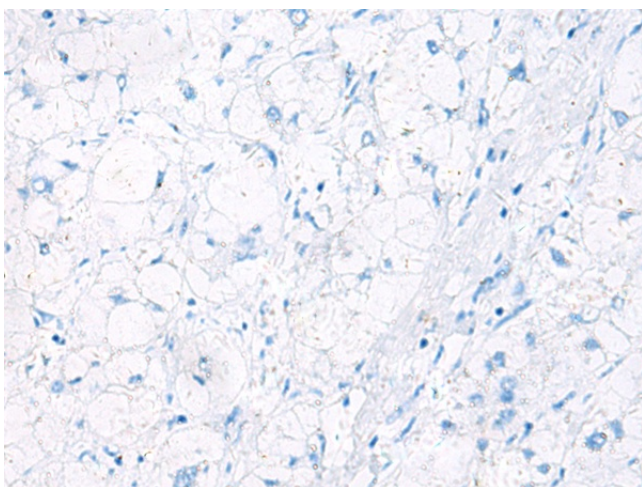
DHPR; FLJ42391; HDHPR; PKU2; SDR33C1

Product images:

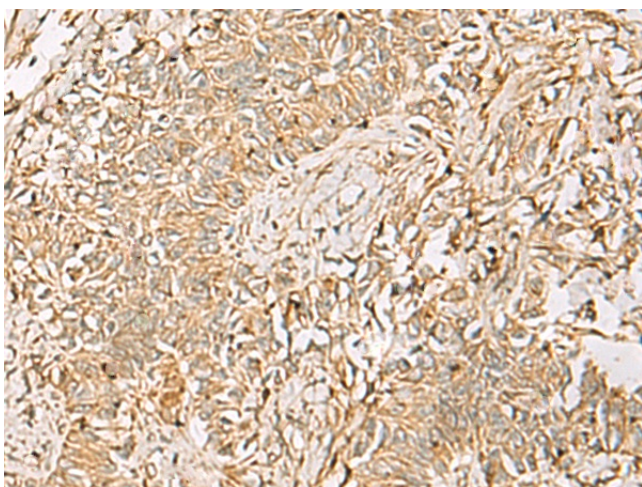
Gel: 12%SDS-PAGE
Lysate: 40 μ g
Lane 1-5: Mouse liver tissue
Mouse brain tissue
Rat brain tissue
Rat liver tissue and Human fetal liver tissue lysates
Primary antibody: TA365983 (QDPR Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 30 seconds



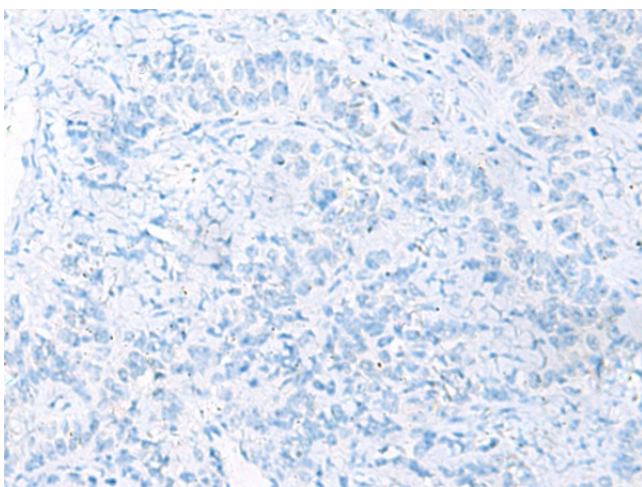
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA365983 (QDPR Antibody) at dilution 1/70 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA365983 (QDPR Antibody) at dilution 1/70, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA365983 (QDPR Antibody) at dilution 1/70 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using TA365983 (QDPR Antibody) at dilution 1/70, treated with fusion protein. (Original magnification: x200)