

Product datasheet for **TA365983S**

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
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



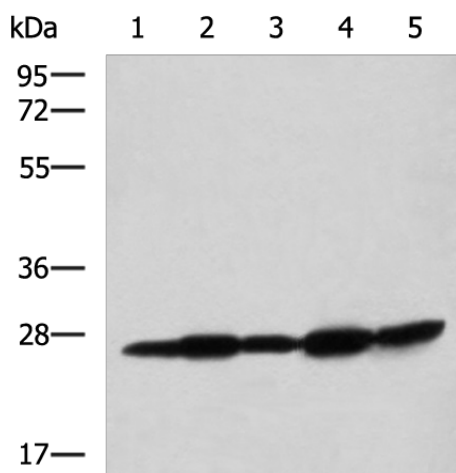
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Background:

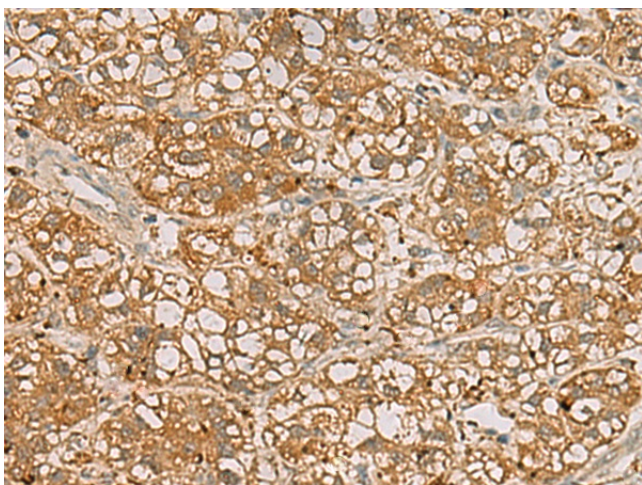
This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinonoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant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

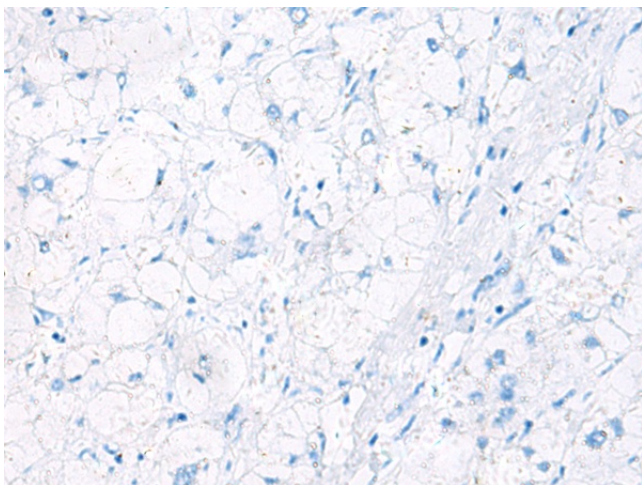
DHPR; FLJ42391; HDHPR; PKU2; SDR33C1

Product images:

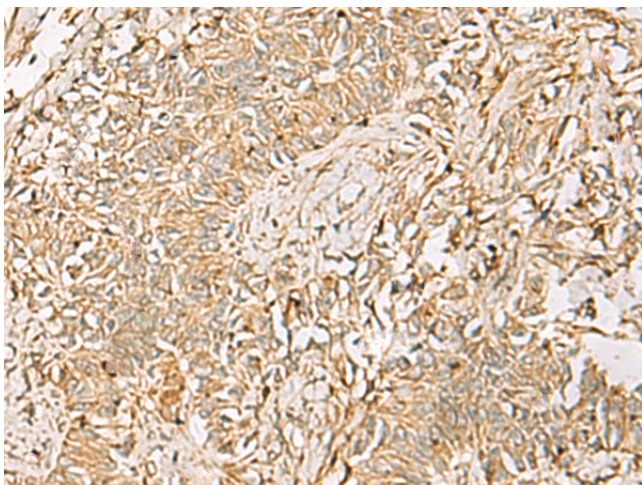
Gel: 12%SDS-PAGE
Lysate: 40 μ g
Lane 1-5: Mouse liver tissue
Mouse brain tissue
Rat brain tissue
Rat liver tissue and Human fetal liver tissue lysates
Primary antibody: [TA365983] (QDPR Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 30 seconds



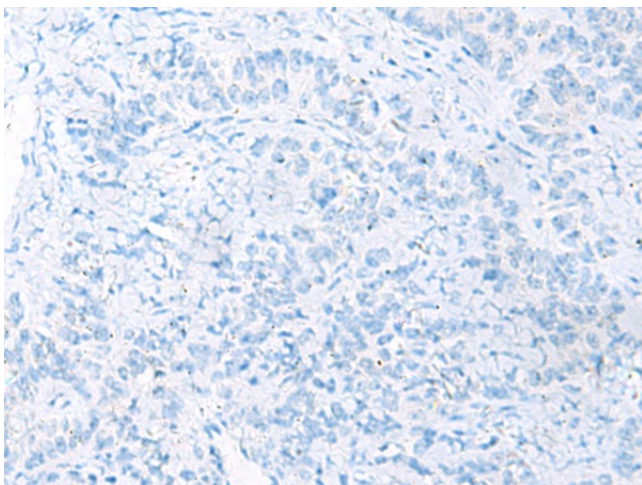
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA365983] (QDPR Antibody) at dilution 1/70 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA365983] (QDPR Antibody) at dilution 1/70, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA365983] (QDPR Antibody) at dilution 1/70 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using [TA365983] (QDPR Antibody) at dilution 1/70, treated with fusion protein. (Original magnification: ×200)