

Datasheet for ABIN2855825

anti-QDPR antibody

3 Images

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Overview

Quantity:	100 µL
Target:	QDPR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This QDPR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human QDPR. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to QDPR (quinoid dihydropteridine reductase) QDPR antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	QDPR
Alternative Name:	quinoid dihydropteridine reductase (QDPR Products)

Target Details

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.

Molecular Weight: 26 kDa

Gene ID: 5860

UniProt: [P09417](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: Jurkat , Mouse liver

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.92 mg/mL

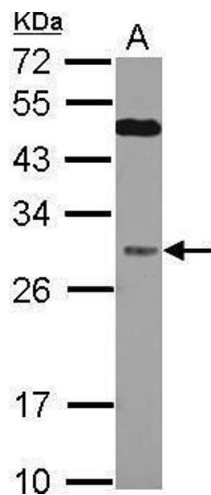
Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

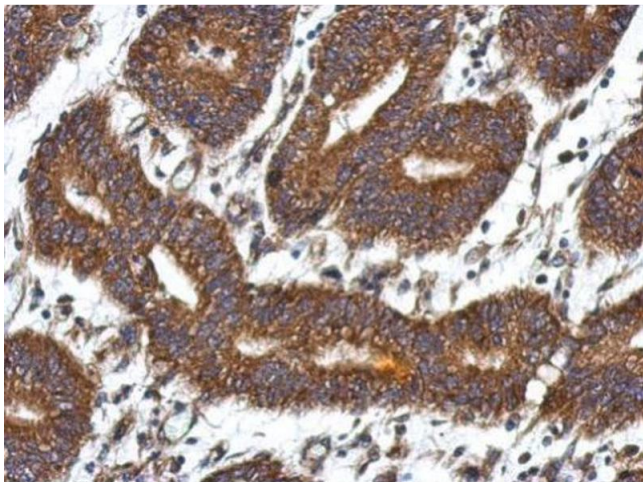
Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



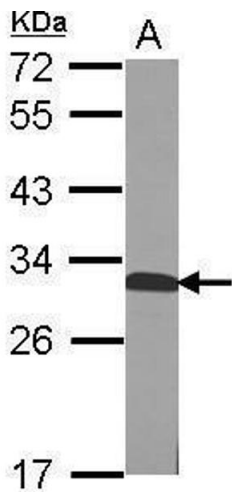
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: Jurkat 12% SDS PAGE antibody diluted at 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using QDPR, antibody at 1:500 dilution.



Western Blotting

Image 3. WB Image Sample (50 ug of whole cell lysate) A: mouse Liver 12% SDS PAGE antibody diluted at 1:1000