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Anti-DHODH Picoband Antibody

Catalog # ABO11674

Specification

Anti-DHODH Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q02127
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Dihydroorotate dehydrogenase (quinone), mitochondrial(DHODH) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-DHODH Picoband Antibody - Additional Information

Gene ID 1723

Other Names
Dihydroorotate dehydrogenase (quinone), mitochondrial, DHOdehase, 1.3.5.2, Dihydroorotate oxidase, DHODH

Calculated MW
42867 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Mitochondrion inner membrane ; Single-pass membrane protein .

Protein Name
Dihydroorotate dehydrogenase (quinone), mitochondrial

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human DHODH (132-173aa RVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQQKQAKLTE D), different from the related mouse sequence by four amino acids, and from the related rat sequence by two amino acids.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Anti-DHODH Picoband Antibody - Protein Information

Name DHODH

Function
Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor. Required for UMP biosynthesis via de novo pathway.

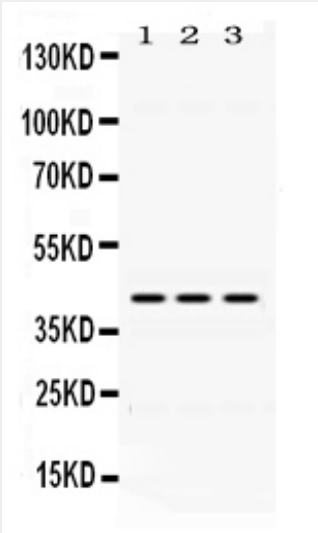
Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein

Anti-DHODH Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

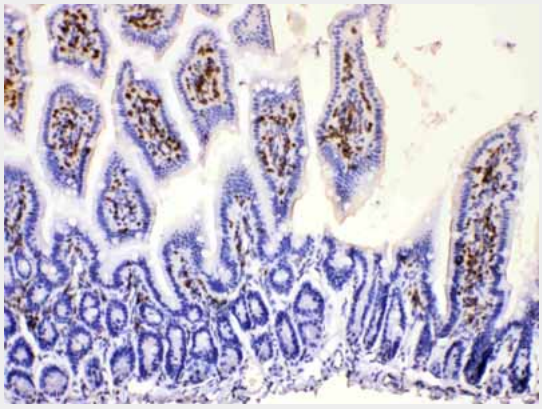
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-DHODH Picoband Antibody - Images

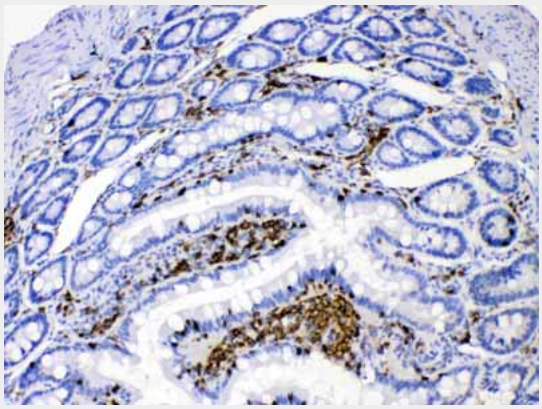


Western blot analysis of DHODH expression in rat liver extract (lane 1), mouse spleen extract

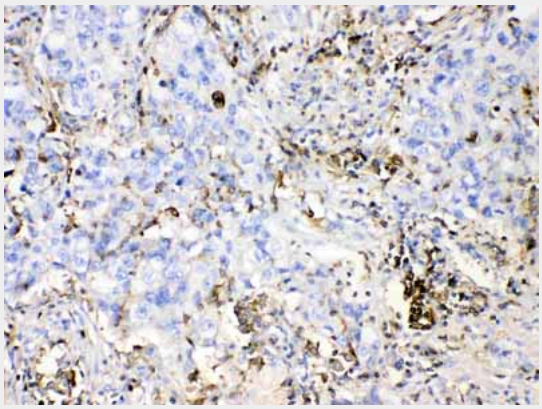
(lane 2) and HEPG2 whole cell lysates (lane 3). DHODH at 43KD was detected using rabbit anti-DHODH Antigen Affinity purified polyclonal antibody (Catalog # ABO11674) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .



DHODH was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti-DHODH Antigen Affinity purified polyclonal antibody (Catalog # ABO11674) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .



DHODH was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti-DHODH Antigen Affinity purified polyclonal antibody (Catalog # ABO11674) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .



DHODH was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- DHODH Antigen Affinity purified polyclonal antibody (Catalog # ABO11674) at 1 Î¼g/mL. The immunohistochemical section was developed using SABC method .

Anti-DHODH Picoband Antibody - Background

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Dihydroorotate dehydrogenase (DHODH) is an enzyme that in humans is encoded by the DHODH gene on chromosome 16. The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane.