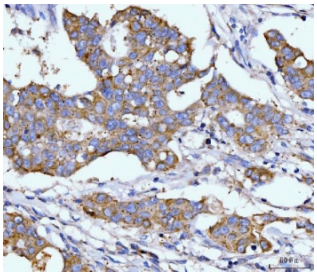
Dihydroorotate dehydrogenase Antibody / DHODH [clone 2G7] (RQ6735)

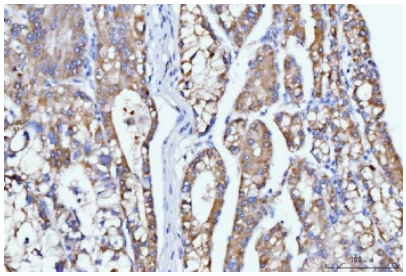
Catalog No.	Formulation	Size
RQ6735	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

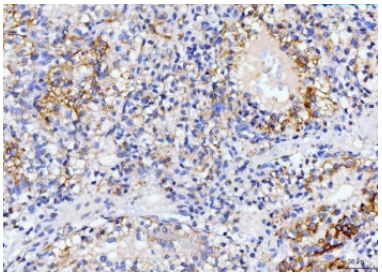
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	2G7
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q02127
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Dihydroorotate dehydrogenase antibody is available for research use only.



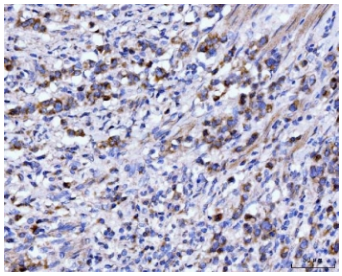
IHC staining of FFPE human breast cancer tissue with Dihydroorotate dehydrogenase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



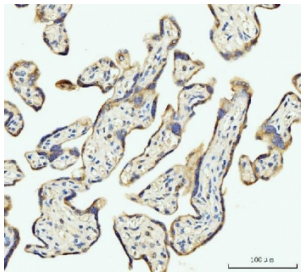
IHC staining of FFPE human liver cancer tissue with Dihydroorotate dehydrogenase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



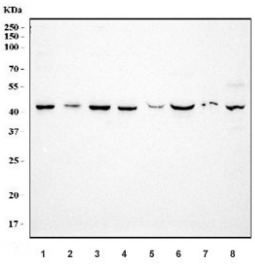
IHC staining of FFPE human renal carcinoma tissue with Dihydroorotate dehydrogenase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human gastric cancer tissue with Dihydroorotate dehydrogenase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with Dihydroorotate dehydrogenase antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HeLa, 2) human A431, 3) human HepG2, 4) human MCF7, 5) rat testis, 6) rat liver, 7) mouse testis and 8) mouse liver tissue lysate with Dihydroorotate dehydrogenase antibody. Predicted molecular weight ~43 kDa.

Description

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.

Application Notes

Optimal dilution of the Dihydroorotate dehydrogenase antibody should be determined by the researcher.

Immunogen

N-terminal region amino acids RVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQQKQAKLTE D from the human protein were used as the immunogen for the Dihydroorotate dehydrogenase antibody.

Storage

After reconstitution, the Dihydroorotate dehydrogenase antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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