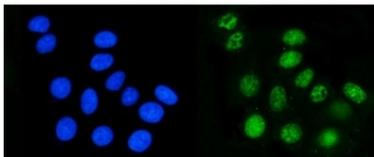


DHODH Antibody / Dihydroorotate dehydrogenase [clone 4E3.] (RQ6591)

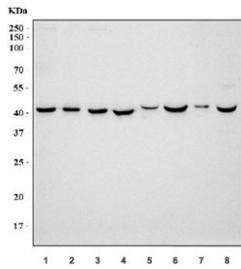
Catalog No.	Formulation	Size
RQ6591	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

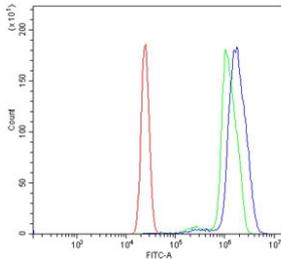
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	4E3.
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q02127
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This DHODH antibody is available for research use only.



Immunofluorescent staining of FFPE human MCF7 cells with DHODH antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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 DHODH antibody. Predicted molecular weight ~43 kDa.



Flow cytometry testing of human U937 cells with DHODH antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= DHODH antibody.

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 DHODH antibody should be determined by the researcher.

Immunogen

N-terminal region amino acids RVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQQKQAKLTED from the human protein were used as the immunogen for the DHODH antibody.

Storage

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