10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DHODH Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19419c

Product Information

Application	WB, E
Primary Accession	Q02127
Other Accession	NP_001352.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40540
Calculated MW	42867
Antigen Region	166-194

Additional Information

Gene ID	1723
Other Names	Dihydroorotate dehydrogenase (quinone), mitochondrial, DHOdehase, Dihydroorotate oxidase, DHODH
Target/Specificity	This DHODH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-194 amino acids from the Central region of human DHODH.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DHODH Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

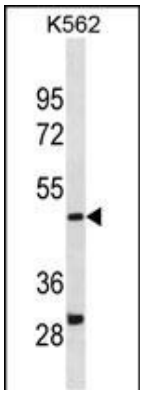
Background

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.

References

Hail, N. Jr., et al. Free Radic. Biol. Med. 49(1):109-116(2010)
Ng, S.B., et al. Nat. Genet. 42(1):30-35(2010)
Grabar, P.B., et al. Ann. Rheum. Dis. 68(8):1367-1368(2009)
Pawlik, A., et al. Pharmacogenomics 10(2):303-309(2009)
Anney, R.J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1369-1378 (2008) :

Images



DHODH Antibody (Center)(Cat. #AP19419c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the DHODH antibody detected the DHODH protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.