

DHODH Antibody(Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19419c**Specification**

DHODH Antibody(Center) - Product Information

Application	WB,E
Primary Accession	Q02127
Other Accession	NP_001352.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42867
Antigen Region	166-194

DHODH Antibody(Center) - 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.

DHODH Antibody(Center) - 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

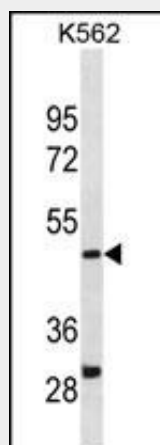
Mitochondrion inner membrane; Single-pass membrane protein

DHODH Antibody(Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DHODH Antibody(Center) - 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).

DHODH Antibody(Center) - 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.

DHODH Antibody(Center) - 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) :