

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

**Specification**

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**DHODH Antibody(Center) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">Q02127</a>      |
| Other Accession   | <a href="#">NP_001352.2</a> |
| 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

**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.

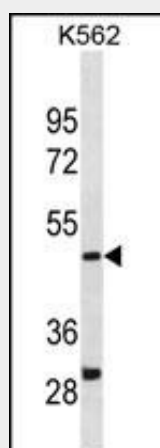
**Cellular Location**

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)  
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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) :