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**Product Name: DHODH Rabbit Polyclonal Antibody****Catalog #: APRab09966**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
<b>Molecular Weight</b>	48kDa

**Antigen Information**

<b>Gene Name</b>	DHODH
<b>Alternative Names</b>	DHODH; Dihydroorotate dehydrogenase; quinone); mitochondrial; DHOdehase; Dihydroorotate oxidase
<b>Gene ID</b>	1723.0
<b>SwissProt ID</b>	Q02127
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human DHODH. AA range:211-260

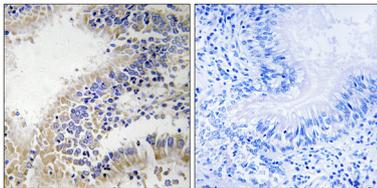
**Background**

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. [provided by RefSeq, Jul 2008],catalytic activity:(S)-dihydroorotate + O(2) = orotate + H(2)O(2),cofactor: Binds 1 FAD per subunit.,pathway:Pyrimidine metabolism; UMP biosynthesis via de novo pathway; UMP from HCO(3)(-): step 4/6.,similarity:Belongs to the dihydroorotate dehydrogenase family.,

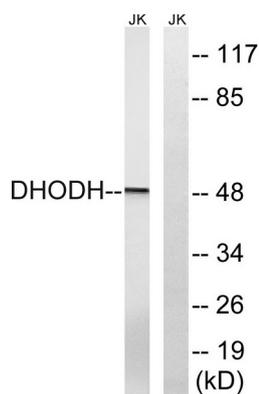
## Research Area

Pyrimidine metabolism;

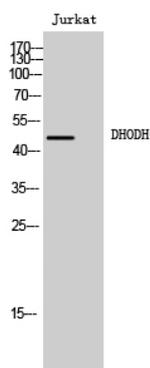
## Image Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using DHODH Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using DHODH Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of Jurkat cells using DHODH Polyclonal Antibody