Best Tools for immunology Research

DHODH Polyclonal Antibody

Catalog No :	YT1345
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	DHODH
Fields :	>>Pyrimidine metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors
Gene Name :	DHODH
Protein Name :	Dihydroorotate dehydrogenase
Human Gene Id :	1723
Human Swiss Prot No :	Q02127
Mouse Swiss Prot No :	O35435
Immunogen :	The antiserum was produced against synthesized peptide derived from human DHODH. AA range:211-260
Specificity :	DHODH Polyclonal Antibody detects endogenous levels of DHODH protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 48kD

Cell Pathway : Pyrimidine metabolism;

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],

Function : 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.,

Subcellular Location : Mitochondrion inner membrane ; Single-pass membrane protein .

Expression : Skin,Testis,

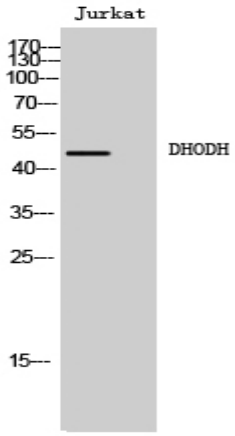
Sort : 5130

No4 : 1

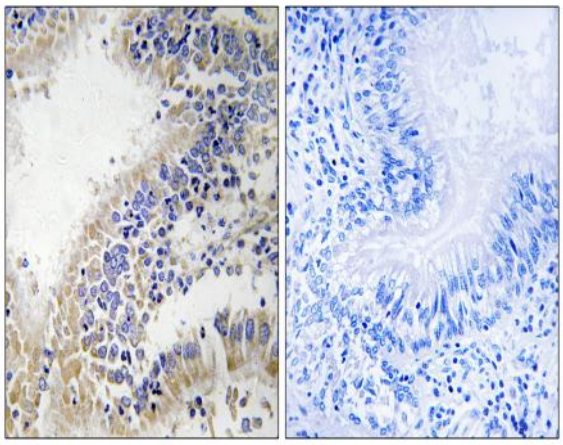
Host : Rabbit

Modifications : Unmodified

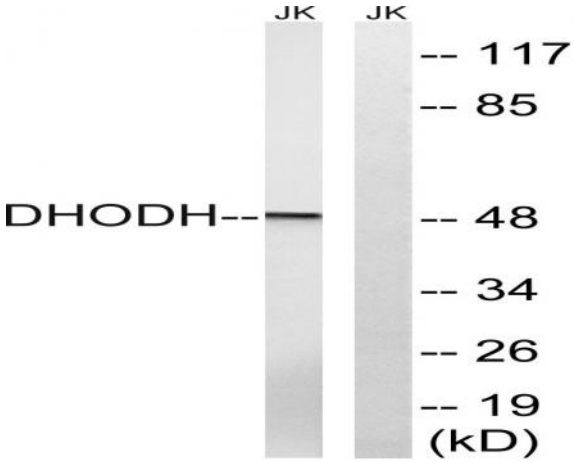
Products Images



Western Blot analysis of Jurkat cells using DHODH Polyclonal Antibody



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.