

Rabbit anti-Human, Mouse DHODH Polyclonal Antibody | anti-DHODH antibody

DHODH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324663	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DHODH; Polyclonal Antibody; DHODH Antibody; DHodehase; Dhodh; Dihydroorotate dehydrogenase (quinone); Dihydroorotate dehydrogenase; Dihydroorotate dehydrogenase mitochondrial; Dihydroorotate oxidase; Human complement of yeast URA1; mitochondrial; POADS; PYRD_HUMAN; URA1; anti-DHODH antibody

PRODUCT SPECIFICATIONS

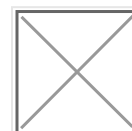
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	DHODH antibody detects endogenous levels of total DHODH
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	395
Applicable Applications for anti-DHODH antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (80%), Bovine (80%), Horse (80%), Sheep (80%), Rabbit (80%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324663 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324663 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using DHODH antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DHODH antibody

Function: Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor.
Subunit Structure: Monomer.
Post-translational Modifications: The uncleaved transit peptide is required for mitochondrial targeting and proper membrane integration.
Similarity: Belongs to the dihydroorotate dehydrogenase family. Type 2 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45006951
NCBI GeneID	1723
NCBI Accession #	NP_001352.2
NCBI GenBank Nucleotide #	NM_001361.4
UniProt Accession #	Q02127; Q6P176; A8K8C8
Molecular Weight	Observed: 48 kD Predicted: 43 kDa
NCBI Official Full Name	dihydroorotate dehydrogenase (quinone), mitochondrial
NCBI Official Synonym Full Names	dihydroorotate dehydrogenase (quinone)
NCBI Official Symbol	DHODH
NCBI Official Synonym Symbols	URA1; POADS; DHodehase
NCBI Protein Information	dihydroorotate dehydrogenase (quinone), mitochondrial
UniProt Protein Name	Dihydroorotate dehydrogenase (quinone), mitochondrial
UniProt Gene Name	DHODH
UniProt Synonym Gene Names	DHodehase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dhodh-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324663>