

Rabbit DHODH Polyclonal Antibody | anti-DHODH antibody

Anti-DHODH Antibody

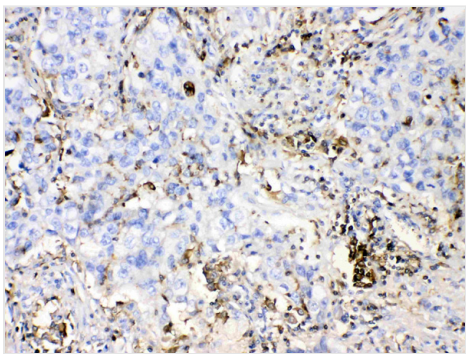
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46830	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

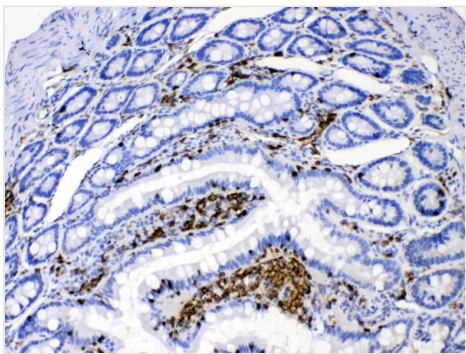
DHODH; Polyclonal Antibody; Anti-DHODH Antibody; DHodehase; Dhodh; POADS; URA1; Q02127; Dihydroorotate dehydrogenase (quinone); mitochondrial; anti-DHODH antibody

PRODUCT SPECIFICATIONS

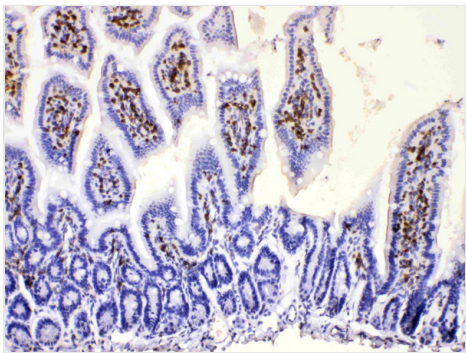
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	395
Applicable Applications for anti-DHODH antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DHODH (132-173aa RVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQQKQAKLTE D), different from the related mouse sequence by four amino acids, and from the related rat sequence by two amino acids.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



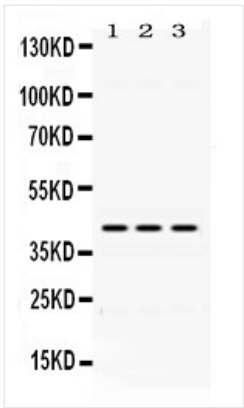
IHC (Immunohistochemistry)
DHODH was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- DHODH Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
DHODH was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- DHODH Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)
DHODH was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti- DHODH Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of DHODH expression in rat liver extract (lane 1), mouse spleen extract (lane 2) and HEPG2 whole cell lysates (lane 3). DHODH at 43KD was detected using rabbit anti- DHODH Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-DHODH antibody	Rabbit IgG polyclonal antibody for Dihydroorotate dehydrogenase (quinone), mitochondrial(DHODH) detection. Background: Dihydroorotate dehydrogenase (DHODH) is an enzyme that in humans is encoded by the DHODH gene on chromosome 16. 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.
References	1. Ng, S. B., Buckingham, K. J., Lee, C., Bigham, A. W., Tabor, H. K., Dent, K. M., Huff, C. D., Shannon, P. T., Jabs, E. W., Nickerson, D. A., Shendure, J., Bamshad, M. J. Exome sequencing identifies the cause of a mendelian disorder. Nature Genet. 42: 30-35, 2010. 2. White, R. M., Cech, J., Ratanasirintrawoot, S., Lin, C. Y., Rahl, P. B., Burke, C. J., Langdon, E., Tomlinson, M. L., Mosher, J., Kaufman, C., Chen, F., Long, H. K., Kramer, M., Datta, S., Neuberg, D., Granter, S., Young, R. A., Morrison, S., Wheeler, G. N., Zon, L. I. DHODHmodulates transcriptional elongation in the neural crest and melanoma. Nature 471: 518-522, 2011.

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	42,867 Da
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-immunohistochemistry-western-blot-elisa/46830>