DATASHEET

DHODH Rabbit Polyclonal Antibody

CAT. NO. APA13411

KEY FEATURES

Target	DHODH	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor. Required for UMP biosynthesis via de novo pathway.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to DHODH
Specificity	Recognizes endogenous levels of DHODH protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DHODH
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 42 kD; Observed: 52 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Dihydroorotate dehydrogenase (quinone) mitochondrial; DHOdehase; Dihydroorotate oxidase
Gene Symbol	DHODH
Entrez Gene	1723(Human); 56749(Mouse); 65156(Rat)
SwissProt	Q02127(Human); O35435(Mouse); Q63707(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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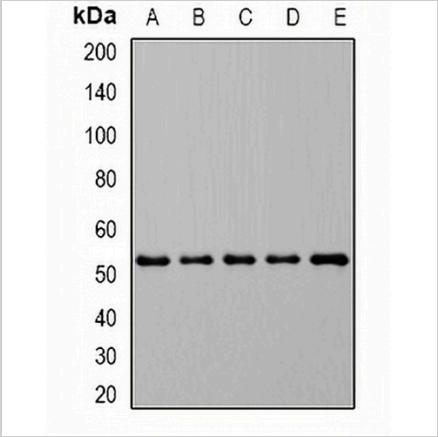
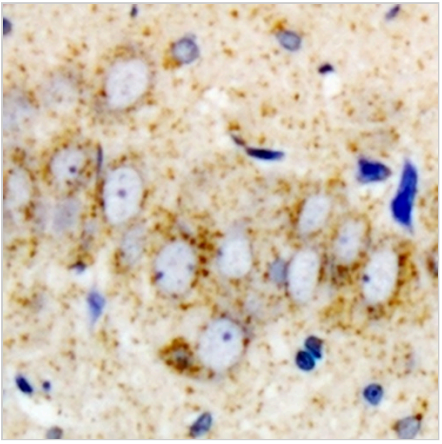
DATA



Western blot analysis of DHODH expression in MCF7 (A), HL60 (B), SW620 (C), mouse spleen (D), rat kidney (E) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 52 kD)



Immunohistochemical analysis of DHODH staining in mouse brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.