Product Datasheet

DLDH Rabbit mAb

Catalog No: #56779

Package Size: #56779-1 50ul #56779-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	DLDH Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human;Mouse;Rat
Specificity	DLDH Antibody detects endogenous levels of total DLDH
Immunogen Description	A synthesized peptide derived from human DLDH
Conjugates	Unconjugated
Other Names	Diaphorase; Dihydrolipoamide dehydrogenase; DLDD; DLDH; GCSL; LAD; lipoamide dehydrogenase; Lipoamide reductase; Lipoyl dehydrogenase; PHE3;
Accession No.	Uniprot:P09622
Calculated MW	54kDa
SDS-PAGE MW	56kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

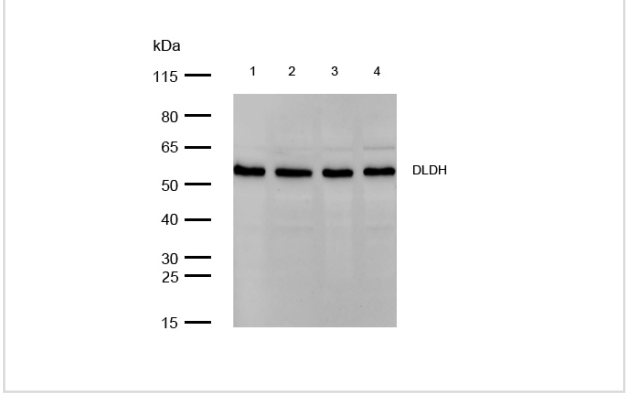
Application Details

WB:1:500~1:2000

IHC:1:50~1:200

ICC/IF:1:50~1:200

Images



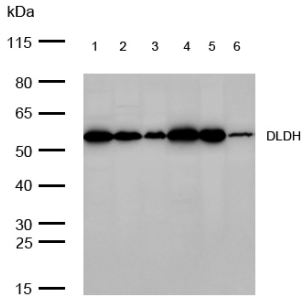
All lanes: CSK Rabbit mAb at 1/1k dilution

Lane 1 : Hela whole cell lysates Lane 2 : JK whole cell lysates
Lane 3 : HepG2 whole cell lysates Lane 4 : MCF7 whole cell lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 54 kDa
Observed band size: 56 kDa

Exposure time: 4 seconds



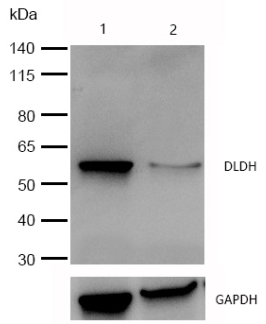
All lanes: CSK Rabbit mAb at 1/1k dilution

Lane 1 : Mouse kidney lysates Lane 2 : Mouse brain lysates
Lane 3 : Mouse skin lysates Lane 4 : Rat heart lysates Lane 5 : Rat liver lysates Lane 6 : Rat spleen lysates
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 54 kDa
Observed band size: 56 kDa

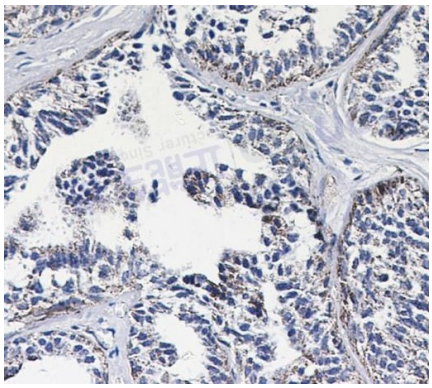
Exposure time: 9 seconds



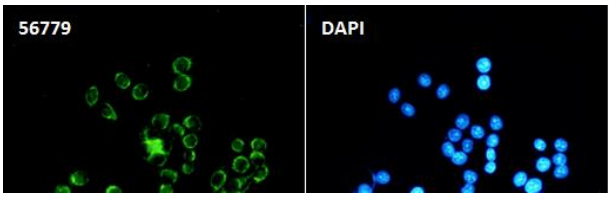
All lanes:DLDH Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate
Lane 2 : DLDH knockdown Hela cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human breast cancer tissue stained for DLDH using 56779 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence DLDH antibody (56779) ICC/IF staining of DLDH in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 56779 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Product Description

Lipoamide dehydrogenase is a component of the glycine cleavage system as well as of the alpha-ketoacid dehydrogenase complexes. Involved in the hyperactivation of spermatazoa during capacitation and in the spermatazoal acrosome reaction.

Published Papers

Tang XiYang, Zhang RunZe, Feng ZhiBo, Zhou YuLong, Du WeiGuang, Shu Chen, Shen Yang, Li MengChao, Cai JunChao, Yan XiaoLong, Ma Nan, Zhao JinBo el at., FGL1-mediated lymph node metastasis in stage T1 non-small cell lung cancer: therapeutic targeting, Experimental Hematology & Oncology, (2025)

PMID:41024301

Note: This product is for in vitro research use only and is not intended for use in humans or animals.