Product Datasheet

Lactate Dehydrogenase A/LDHA Antibody (SU39-06) NBP2-67483

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67483

Lactate Dehydrogenase A/LDHA Antibody (SU39-06)

Product Information

Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SU39-06
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description

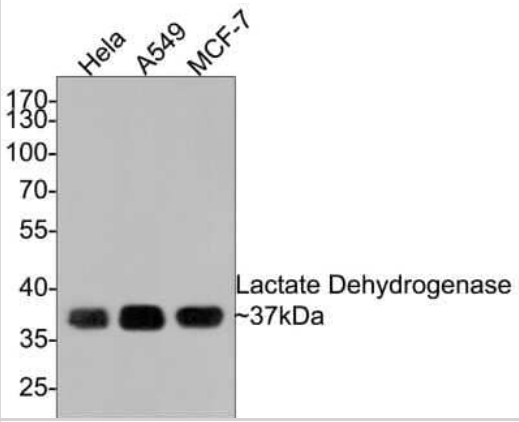
Description	Novus Biologicals Rabbit Lactate Dehydrogenase A/LDHA Antibody (SU39-06) (NBP2-67483) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-Lactate Dehydrogenase A/LDHA Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3939
Gene Symbol	LDHA
Species	Human, Mouse, Rat, Zebrafish
Immunogen	Synthetic peptide within human Lactate Dehydrogenase A/LDHA aa 270-310. (SwissProt: P07195 Human; SwissProt: P00338 Human; SwissProt: P16125 Mouse; SwissProt: P06151 Mouse; SwissProt: P42123 Rat; SwissProt: P04642 Rat)

Product Application Details

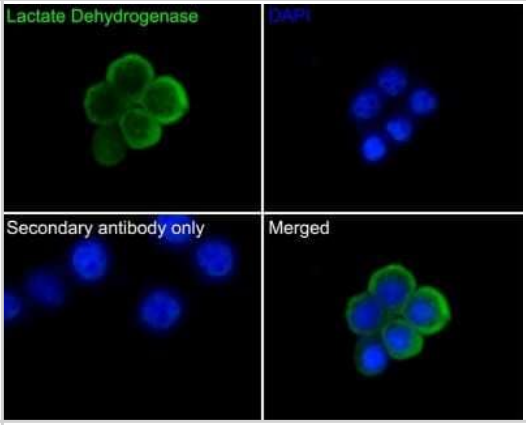
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation Use at an assay dependent concentration, Immunohistochemistry-Paraffin 1:200 -1:2000

Images

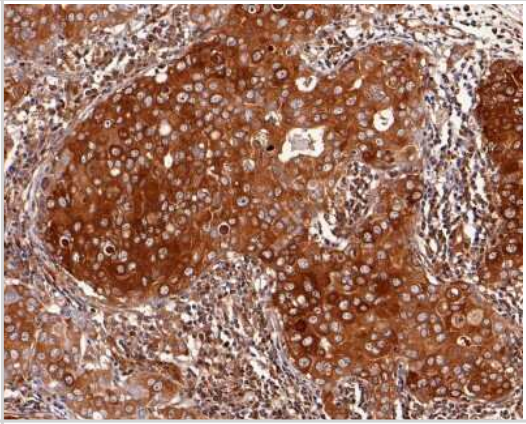
Western Blot: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of Lactate Dehydrogenase on different lysates with Rabbit anti-Lactate Dehydrogenase antibody at 1/1,000 dilution. Lane 1: Hela cell lysate Lane 2: A549 cell lysate Lane 3: MCF-7 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 37 kDa Observed band size: 37 kDa Exposure time: 1 minute; 10% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



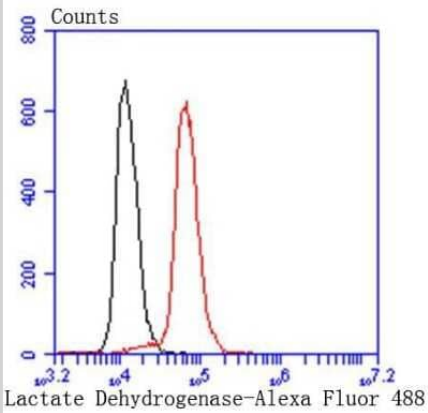
Immunocytochemistry/Immunofluorescence: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of LOVO cells labeling Lactate Dehydrogenase with Rabbit anti-Lactate Dehydrogenase A/LDHA antibody (permeabilized with 0.05% Triton X-100 in PBS for 20 minutes, and then blocked with 2% negative goat serum for 30 minutes at room temperature. Cells were then incubated with Rabbit anti-Lactate Dehydrogenase antibody was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.



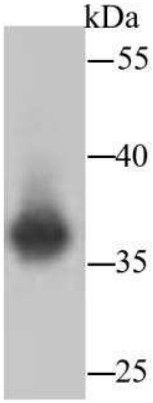
Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded human breast carcinoma tissue with Rabbit anti-Lactate Dehydrogenase antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



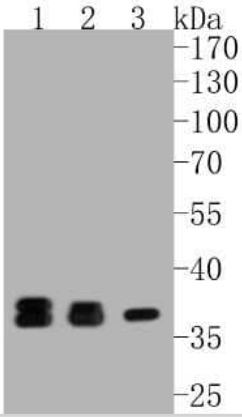
Flow Cytometry: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of Hela cells with Lactate Dehydrogenase antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



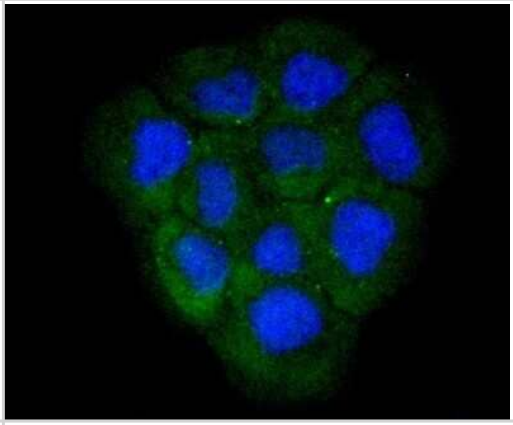
Western Blot: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Western blot analysis of Lactate Dehydrogenase on hybrid fish (crucian-carp) brain tissue lysate using anti-Lactate Dehydrogenase antibody at 1/500 dilution.



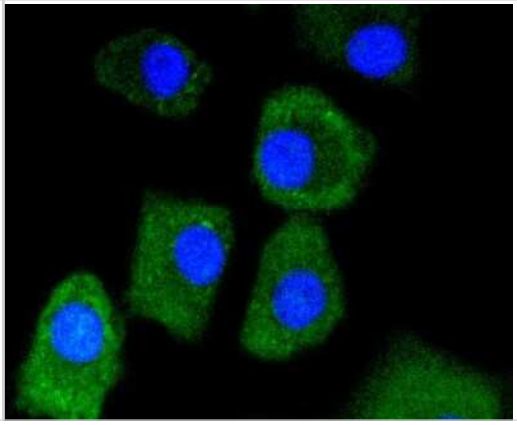
Western Blot: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Western blot analysis of Lactate Dehydrogenase A/LDHA on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for

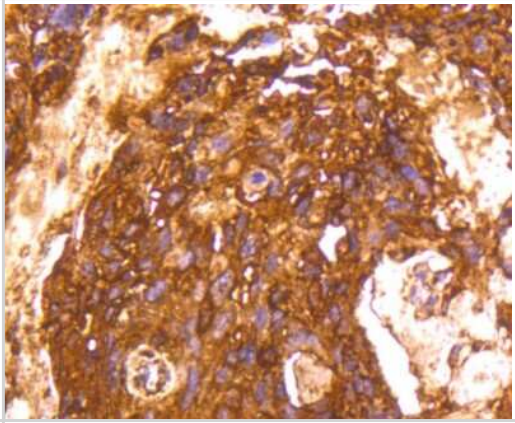
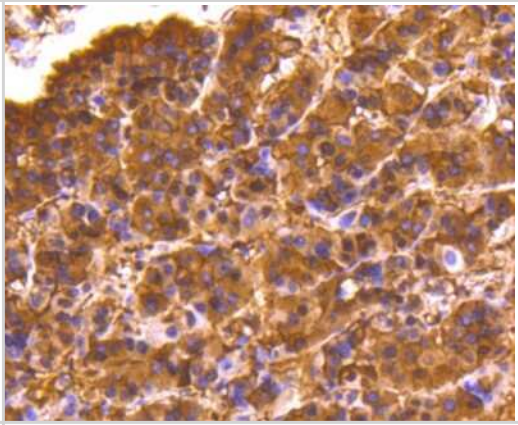
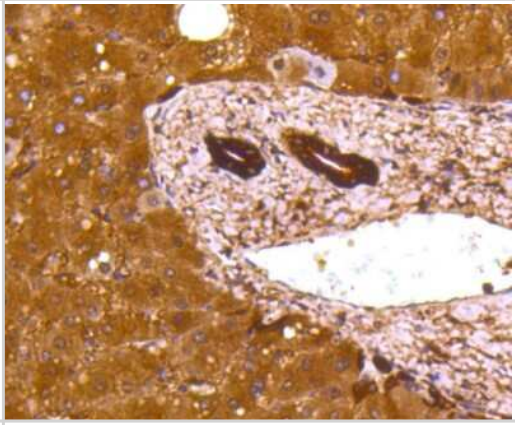
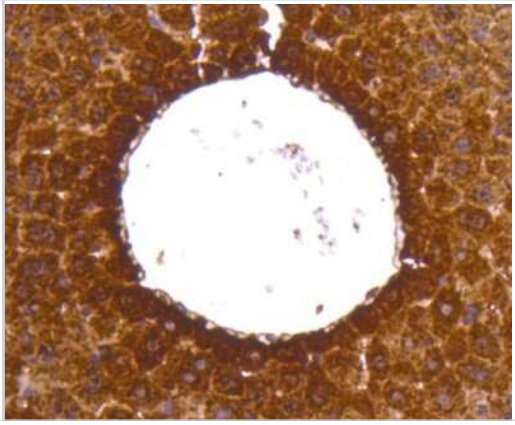


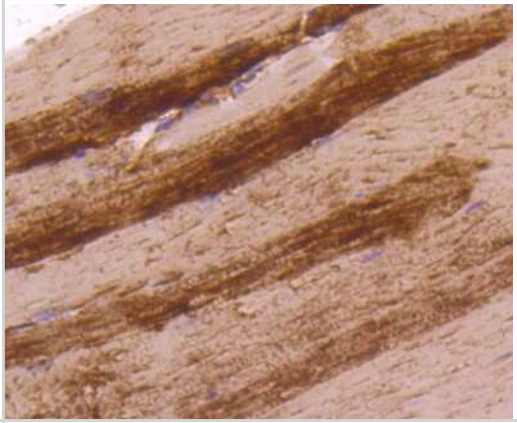
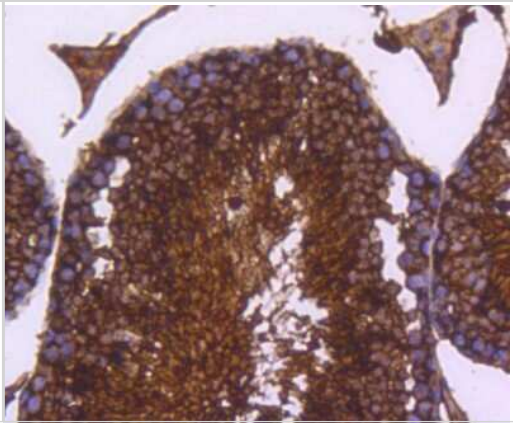
Immunocytochemistry/Immunofluorescence: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Staining Lactate Dehydrogenase in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Staining Lactate Dehydrogenase in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.	
Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded human liver cancer tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.	
Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded human liver tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.	
Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded mouse liver tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.	

Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded mouse skeletal muscle tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.	
Immunohistochemistry-Paraffin: Lactate Dehydrogenase A/LDHA Antibody (SU39-06) [NBP2-67483] - Analysis of paraffin-embedded mouse testis tissue using anti-Lactate Dehydrogenase antibody. Counter stained with hematoxylin.	

Publications

Cheng H, Chen N, Tang Y et al. Intrathecal STAT3 inhibitor Bt354 ameliorates chronic constriction injury-induced nociceptive sensitization by modulating neuroinflammation. Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics 2025-10-08 [PMID: 41067955]

Wen ZH, Sung CS, Lin SC et Al. Intra-Articular Lactate Dehydrogenase A Inhibitor Oxamate Reduces Experimental Osteoarthritis and Nociception in Rats via Possible Alteration of Glycolysis-Related Protein Expression in Cartilage Tissue Int J Mol Sci 2023-06-28 [PMID: 37445948]

Wen ZH, Wu ZS, Cheng HJ, Huang SY et Al. Intrathecal Fumagillin Alleviates Chronic Neuropathy-Induced Nociceptive Sensitization and Modulates Spinal Astrocyte-Neuronal Glycolytic and Angiogenic Proteins Mol Neurobiol 2024-06-05 [PMID: 38837104]

Sung CS, Cheng HJ, Chen NF et al. Antinociceptive Effects of Aaptamine, a Sponge Component, on Peripheral Neuropathy in Rats Marine drugs 2023-02-04 [PMID: 36827154] (IHC-Fr)

Details:
Dilution used in IHC-Fr 1:800

McFarland A, Yalin A, Wang S et al. Multi-tissue single-cell analysis deconstructs the complex programs of mouse natural killer and type 1 innate lymphoid cells in tissues and circulation Immunity 2021-05-01 [PMID: 33945787]

Singh KB, Hahm ER, Alumkal JJ et al. Reversal of the Warburg phenomenon in chemoprevention of prostate cancer by sulforaphane Carcinogenesis 2019-09-26 [PMID: 31555797]

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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