

LDHA Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Pig, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 133 and 332 of Human Lactate Dehydrogenase
Form	Liquid
Concentration	1.33 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2544882

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	10 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
RNA Immunoprecipitation (RIP)	-	1 Publication

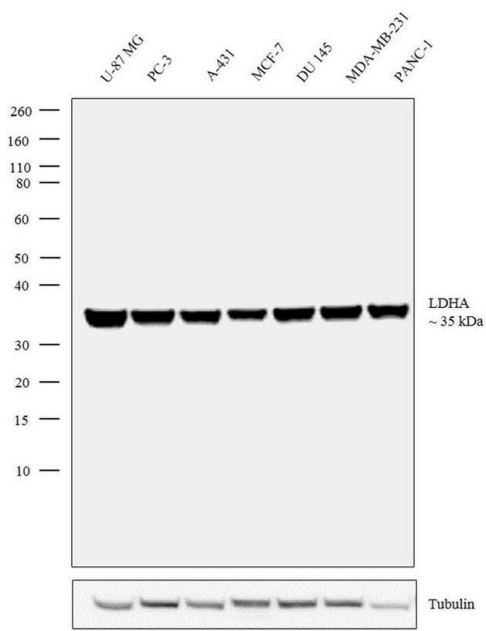
Product Specific Information

Recommended positive controls: 293T, A431, HeLa, HepG2, MCF-7, MDA-MB-231, Neuro2A, C8D30, NIH-3T3, Raw264.7, C2C12, PC-12, Rat2.

Predicted reactivity: Mouse (92%), Rat (91%), Xenopus laevis (80%), Pig (90%), Rabbit (91%), Chicken (80%), Rhesus Monkey (99%), Chimpanzee (100%), Bovine (91%).

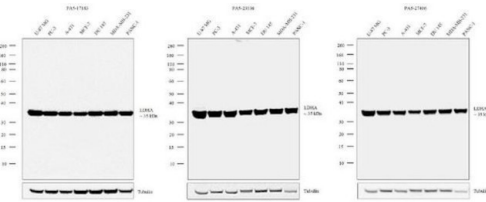
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For LDHA Polyclonal Antibody



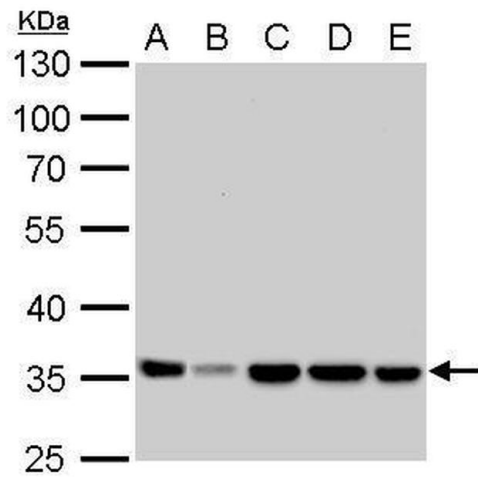
LDHA Antibody (PA5-27406) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of U-87 MG (Lane 1), PC-3 (Lane 2), A-431 (Lane 3), MCF-7 (Lane 4), DU 145 (Lane 5) MDA-MB-231 (Lane 6) and PANC-1 (Lane 7). The blot was probed with Anti-LDHA Polyclonal Antibody (Product # PA5-27406, 1 µg/mL dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 35 kDa band corresponding to LDHA was observed across the cell lines tested.



LDHA Antibody (PA5-27406)

Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of LDHA using LDHA Polyclonal Antibody (Product # PA5-27406), tested in parallel with LDHA Polyclonal Antibody (Product # PA5-17183) and LDHA Polyclonal Antibody (Product # PA5-23036), shows similar expression of LDHA in the cell lines tested. {IAV}



LDHA Antibody (PA5-27406) in WB

LDHA Polyclonal Antibody detects LDHA protein by western blot analysis. A. 30 µg Neuro2A whole cell lysate/extract. B. 30 µg C8D30 whole cell lysate/extract. C. 30 µg NIH-3T3 whole cell lysate/extract. D. 30 µg Raw264.7 whole cell lysate/extract. E. 30 µg C2C12 whole cell lysate/extract. 10% SDS-PAGE. LDHA Polyclonal Antibody (Product # PA5-27406) dilution: 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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Western Blot (10)

<p>Science advances</p> <p>Hypoxia-mediated stabilization of HIF1A in prostatic intraepithelial neoplasia promotes cell plasticity and malignant progression.</p> <p>"PA5-27406 was used in Western Blotting to characterize prostatic intraepithelial neoplasia (PIN) progression and demonstrate that HIF1A is a target for PCa prevention and that TGM2 is a promising prognostic biomarker of early relapse after prostatectomy."</p> <p>Authors: Abu El Maaty MA, Terzic J, Keime C, Rovito D, Lutzinger R, Yanushko D, Parisotto M, Grelet E, Namer IJ, Lindner V, Laverny G, Metzger D</p>	<p>Year 2022</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>
<p>iScience</p> <p>Identification of metabolic pathways underlying FGF1 and CHIR99021-mediated cardioprotection.</p> <p>"PA5-27406 was used in Western Blotting to suggest that FGF1/CHIR99021 protects the heart against ischemic injury via improving myocardial metabolism which may be exploited for treatment of acute myocardial infarction in humans."</p> <p>Authors: Xu B, Li F, Zhang W, Su Y, Tang L, Li P, Joshi J, Yang A, Li D, Wang Z, Wang S, Xie J, Gu H, Zhu W</p>	<p>Year 2022</p> <p>Species Mouse</p>

View more WB references on thermofisher.com

RNA Immunoprecipitation (1)

<p>Nature communications</p> <p>LDHA-mediated ROS generation in chondrocytes is a potential therapeutic target for osteoarthritis.</p> <p>"PA5-27406 was used in Western Blotting to investigate chondrocyte metabolism in the context of osteoarthritis."</p> <p>Authors: Arra M, Swarnkar G, Ke K, Otero JE, Ying J, Duan X, Maruyama T, Rai MF, O'Keefe RJ, Mbalaviele G, Shen J, Abu-Amer Y</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:1000</p>
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