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anti-Lactate Dehydrogenase A antibody (AA 204-232)



Images



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Overview	
Quantity:	0.4 mL
Target:	Lactate Dehydrogenase A (LDHA)
Binding Specificity:	AA 204-232
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lactate Dehydrogenase A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	A portion of amino acids 204-232 from the human protein was used as the immunogen for this LDHA antibody.
Isotype:	lg Fraction
Cross-Reactivity (Details):	Expected species reactivity: Primate
Purification:	Antigen affinity purified
Target Details	
Target:	Lactate Dehydrogenase A (LDHA)
Alternative Name:	LDHA (LDHA Products)
Background:	The protein encoded by this gene catalyzes the conversion of L-lactate and NAD to pyruvate

Target Details

and NADH in the final step of anaerobic glycolysis. The protein is found predominantly in		
muscle tissue and belongs to the lactate dehydrogenase family. Mutations in this gene have		
been linked to exertional myoglobinuria. Multiple transcript variants encoding different isoforms		
have been found for this gene. The human genome contains several non-transcribed		
pseudogenes of this gene.		

UniProt:

P00338

Pathways:

Warburg Effect

Application Details

Application Notes:

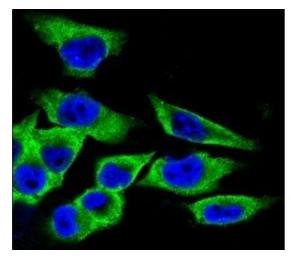
Titration of the LDHA antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:50,IHC (Paraffin): 1:10-1:50

Restrictions:

For Research Use only

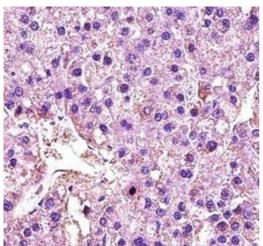
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the LDHA antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunofluorescence

Image 1. Confocal immunofluorescent analysis of LDHA antibody with A375 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 2. LDHA antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma



Western Blotting

Image 3. LDHA antibody western blot analysis in MDA-MB231 lysate.

Please check the product details page for more images. Overall 5 images are available for ABIN3031580.