

À des fins de recherche uniquement

# Anticorps Recombinant de lapin anti-LDHB



Numéro de catalogue: 81963-1-RR

## Informations de base

|                           |                                              |                                |                         |                          |                                                                                            |
|---------------------------|----------------------------------------------|--------------------------------|-------------------------|--------------------------|--------------------------------------------------------------------------------------------|
| Numéro de catalogue:      | 81963-1-RR                                   | Numéro d'acquisition GenBank:  | BC002362                | Méthode de purification: | Purification par protéine A                                                                |
| Taille:                   | 100ul, Concentration: 500 µg/ml by Nanodrop; | Identification du gène (NCBI): | 3945                    | CloneNo.:                | 1M20                                                                                       |
| Hôte:                     | Lapin                                        | Nom complet:                   | lactate dehydrogenase B | Dilutions recommandées:  | WB 1:20000-1:100000<br>IP 0.5-4.0 ug for IP and 1:20000-1:100000 for WB<br>IF 1:500-1:2000 |
| Isotype:                  | IgG                                          | MW calculé                     | 36 kDa                  |                          |                                                                                            |
| Immunogen Catalog Number: | AG6605                                       | MW observés:                   | 35 kDa                  |                          |                                                                                            |

## Applications

Applications testées:  
FC, IF, IP, WB, ELISA  
Spécificité de l'espèce:  
Humain, rat, souris

Contrôles positifs:  
WB : cellules HeLa, cellules DU 145, cellules HEK-293, tissu cardiaque de rat, tissu cérébral de rat, tissu cérébral de souris  
IP : cellules HeLa,  
IF : cellules HeLa,

## Informations générales

LDHB, also named as LDH-H and NY-REN-46, belongs to the LDH/MDH superfamily. And LDH family. It is an enzyme which catalyzes the reversible conversion of pyruvate and NADH to lactate and NAD<sup>+</sup> in the glycolytic pathway. LDH comprises LDHA and LDHB, two subunits that are encoded by independent genes. In muscle or liver, most of the LDH is composed of four LDHA subunits, and preferably catalyzes the reduction of pyruvate to lactate. In heart and brain, LDH is mainly composed of four LDHB subunits, and predominantly catalyzes the oxidation of lactate to pyruvate. In other tissues, LDH is composed of both LDHA and LDHB. (PMID: 26269128, 31804482)

## Stockage

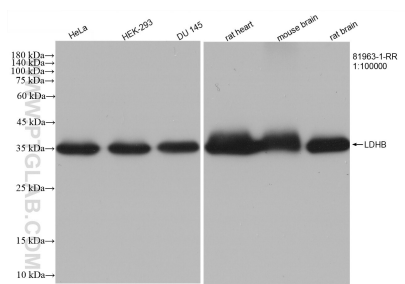
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

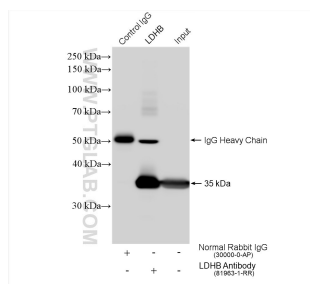
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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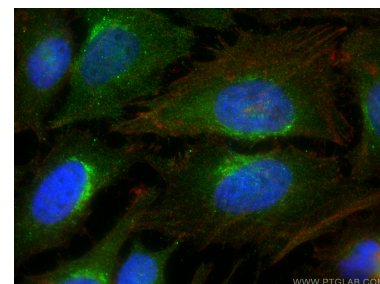
## Données de validation sélectionnées



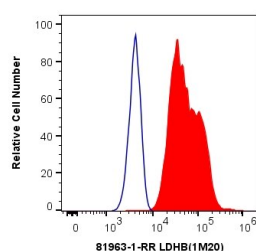
Various lysates were subjected to SDS PAGE followed by western blot with 81963-1-RR (LDHB antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



IP result of anti-LDHB(IP:81963-1-RR, 4ug; Detection:81963-1-RR 1:50000) with HeLa cells lysate 2000 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using LDHB antibody (81963-1-RR, Clone: 1M20) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human LDHB (81963-1-RR, Clone:1M20) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).