

À des fins de recherche uniquement

# Anticorps Monoclonal anti-IDH3B

Numéro de catalogue: 68199-1-Ig



## Informations de base

Numéro de catalogue: 68199-1-Ig	Numéro d'acquisition GenBank: BC001960	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1000 µg/ml by Nanodrop;	Identification du gène (NCBI): 3420	CloneNo.: 2D11A9
Hôte: Mouse	Nom complet: isocitrate dehydrogenase 3 (NAD+) beta	Dilutions recommandées: WB 1:5000-1:50000
Isotype: IgG1	MW calculé 42 kDa	
Immunogen Catalog Number: AG8693	MW observés: 39-42 kDa	

## Applications

Applications testées:  
WB, ELISA

Spécificité de l'espèce:  
Humain, Lapin, porc, rat, souris

Contrôles positifs:

WB : cellules LNCaP, cellules Jurkat, tissu cardiaque de lapin, tissu cardiaque de porc, tissu cardiaque de rat, tissu cérébral de lapin, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

## Informations générales

Isocitrate dehydrogenase 3 (IDH3) is a key enzyme in the mitochondrial tricarboxylic acid (TCA) cycle, which catalyzes the decarboxylation of isocitrate into  $\alpha$ -ketoglutarate and concurrently converts NAD<sup>+</sup> into NADH. IDH3B (Isocitrate dehydrogenase 3 (NAD<sup>+</sup>) beta), also named as RP46, is the beta subunit of IDH3 and controls its substrate levels in the TCA cycle, and it is required for sperm mitochondrial metabolism and spermiogenesis (PMID: 18806796, PMID: 35985423). In addition, IDH3B expression increased PFKFB3 protein levels and enhanced glucose uptake, and high expression of IDH3B correlated with poor survival in patients with ESCC, suggesting a potential application of IDH3B in prognosis (PMID: 31053633).

## 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.

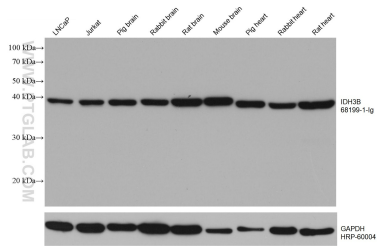
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## Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 68199-1-Ig (IDH3B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.