

À des fins de recherche uniquement

Anticorps Monoclonal anti-NNT

Numéro de catalogue: 68194-1-Ig



Informations de base

Numéro de catalogue: 68194-1-Ig	Numéro d'acquisition GenBank: BC032370	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 23530	CloneNo.: 1F5H6
Hôte: Mouse	Nom complet: nicotinamide nucleotide transhydrogenase	Dilutions recommandées: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:2000-1:10000 for WB
Isotype: IgG2b	MW calculé 1085 aa, 114 kDa	IHC 1:500-1:2000 IF 1:400-1:1600
Immunogen Catalog Number: AG4259	MW observés: 114 kDa	

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Spécificité de l'espèce:

Humain, Lapin, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

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

IP : cellules HepG2,

IHC : tissu hépatique humain, tissu cardiaque de souris

IF : cellules HeLa,

Informations générales

NNT(nicotinamide nucleotide transhydrogenase) is a transmembrane protein and functions as a proton pumping transhydrogenase. The protein is present in both prokaryotes and eukaryotes and is located in the inner membrane of mitochondria. In prokaryotic cells, the enzyme is composed of α and β subunits of 54 and 48 kDa, respectively. In eukaryotic cells, the enzyme is usually composed of a single peptide of 114 kDa. Although NNT catalyzes the interconversion of NADH and NADPH, the forward reaction using the reducing power of NADH to regenerate NADPH would be favored under conditions of oxidative stress(PMID:16497723). It can exist as a homodimer(PMID:21882037).

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.

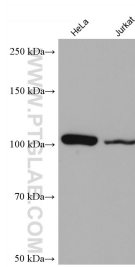
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

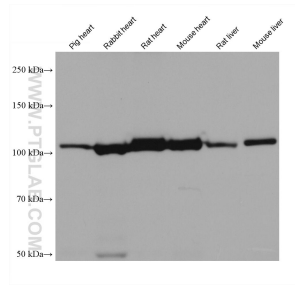
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

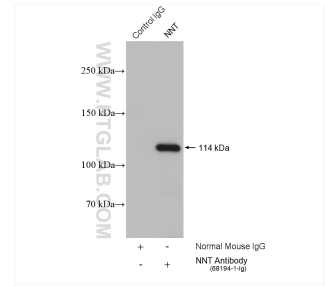
Données de validation sélectionnées



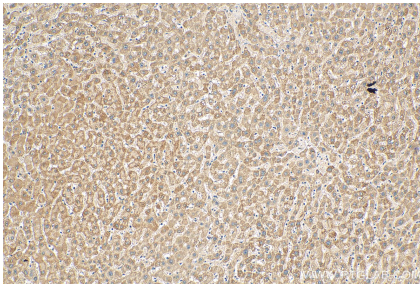
Various lysates were subjected to SDS PAGE followed by western blot with 68194-1-Ig (NNT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



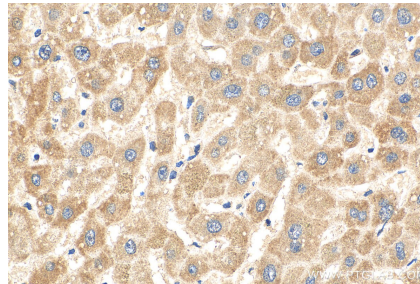
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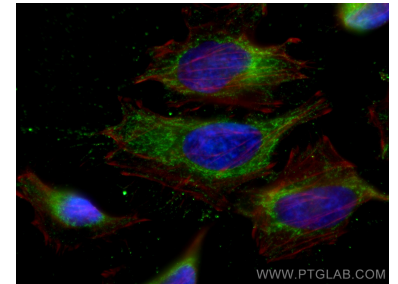
IP result of anti-NNT (IP:68194-1-Ig, 4ug; Detection:68194-1-Ig 1:5000) with HepG2 cells lysate 960 ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 68194-1-Ig (NNT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 68194-1-Ig (NNT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NNT antibody (68194-1-Ig, Clone: 1F5H6) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).