À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-NNT

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:13442-2-AP Phare 11 Publications

Informations de base

Numéro de catalogue:
13442-2-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop and 333 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4259

Numéro d'acquisition GenBank:
BC032370

Identification du gène (NCBI):
23530

Nom complet:
nicotinamide nucleotide transhydrogenase

MW calculé
1085 aa, 114 kDa

MW observés:
114 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB,ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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 de glande surrénale humain, tissu cardiaque humain, tissu hépatique humain

IP : cellules HepG2,

IHC : tissu de cancer du foie humain,

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 βsubunits of 54 and 48 kDa, respectively. In eukaryotic cells, the enzyme is usually composed of a single peptide of 110 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 exsit as a homodimer(PMID:21882037).

Publications notables

Autrice	Pubmed ID	Journal	Application
Miaomiao Li	34545694	Am J Med Genet A	WB
Guangjian Jiang	27832638	Cell Physiol Biochem	WB
Lei Wu	29116185	Sci Rep	WB

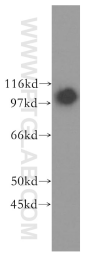
Stockage

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

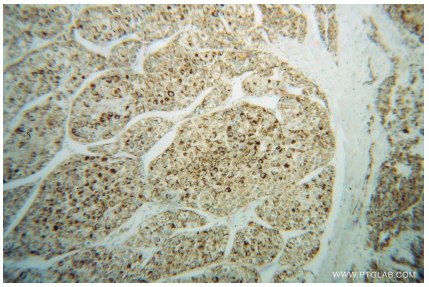
***** Les 20ul contiennent 0,1% de BSA.**

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

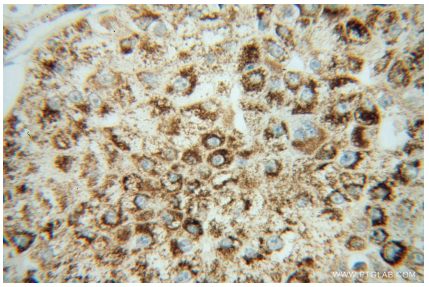
Données de validation sélectionnées



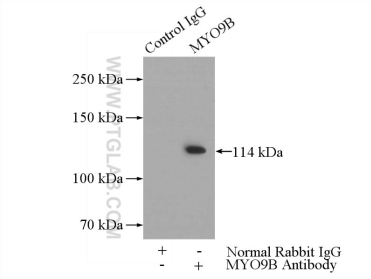
human adrenal gland tissue were subjected to SDS PAGE followed by western blot with 13442-2-AP (NNT antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



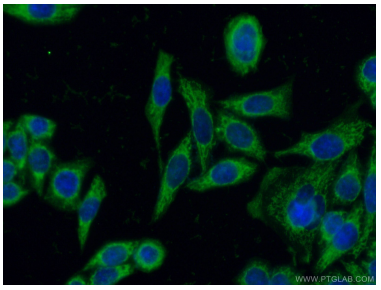
Immunohistochemical analysis of paraffin-embedded human liver cancer using 13442-2-AP (NNT antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 13442-2-AP (NNT antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-NNT (IP:13442-2-AP, 4ug; Detection:13442-2-AP 1:300) with HepG2 cells lysate 2800ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 13442-2-AP (NNT antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).