

Allgemeine Informationen

Katalog-Nr.: 68194-1-Ig	GenBank-Zugangsnummer: BC032370	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 23530	CloneNo.: 1F5H6
Wirt: Maus	Vollständiger Name: nicotinamide nucleotide transhydrogenase	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:2000-1:10000 für WB
Isotyp: IgG2b	Berechnete Masse: 1085 aa, 114 kDa	IHC 1:500-1:2000
Immunogen Katalognummer: AG4259	Beobachtete Masse: 114 kDa	

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

Getestete Reaktivität:

Hausschwein, Human, Kaninchen, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: Hausschwein-Herzgewebe, HeLa-Zellen, Jurkat-Zellen, Kaninchenherzgewebe, LNCaP-Zellen, Mausherzgewebe, Mauslebergewebe, Rattenherzgewebe, Rattenlebergewebe

IP: HepG2-Zellen,

IHC: humanes Lebergewebe, Mausherzgewebe

Hintergrundinformationen

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).

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

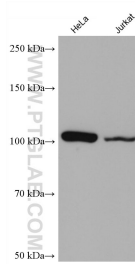
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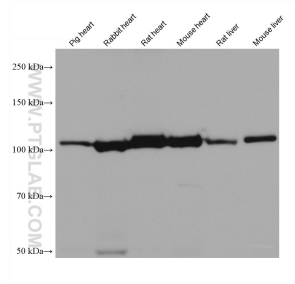
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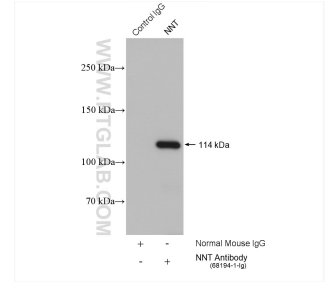
Ausgewählte Validierungsdaten



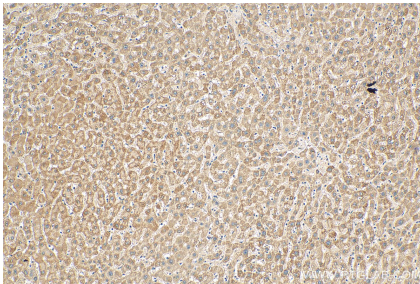
Various lysates were subjected to SDS PAGE followed by western blot with 68194-1-Ig (NNT antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



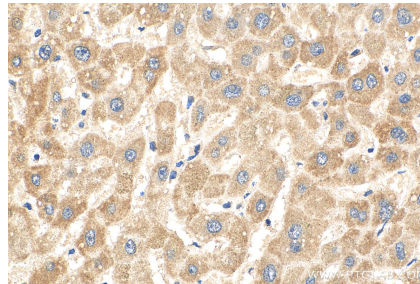
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IP result of anti-NNT (IP:68194-1-Ig, 4ug; Detection:68194-1-Ig 1:5000) with HepG2 cells lysate 960 ug.



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).