

Allgemeine Informationen

Katalog-Nr.: 10740-1-AP	GenBank-Zugangsnummer: BC007109	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop und 300 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 57142	Empfohlene Verdünnungen: WB 1:1000-1:8000 IHC 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: reticulon 4	
Isotyp: IgG	Berechnete Masse: 130 kDa	
Immunogen Katalognummer: AG1164	Beobachtete Masse: 190-210 kDa, 45 kDa, 22-25 kDa	

Anwendungen

Geprüfte Anwendungen: FC, IHC, WB, ELISA	Positivkontrollen: WB : Maushirngewebe, Rattenhirngewebe
In Publikationen genannte Anwendungen: IF, WB	IHC : Maushodengewebe, humanes Prostatakarzinomgewebe
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

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

Hintergrundinformationen

Reticulon (RTN) proteins are a group of membrane-bound proteins that largely reside in endoplasmic reticulum (ER) (PMID: 18177508). Reticulon proteins share a common sequence feature, the reticulon homology domain (RHD). They are involved in shaping the tubular endoplasmic reticulum network, membrane trafficking, inhibition of axonal growth, and apoptosis (PMID: 24218324). Four mammalian reticulons (RTN1-4) exist. RTN4 (also known as Neurite outgrowth inhibitor or Nogo) is a myelin-associated neurite growth inhibitory protein. Some isoforms of RTN4 have been described. RTN4A (Nogo-A, runs at ~200 kDa), RTN4B (Nogo-B, 40-55 kDa), and RTN4C (Nogo-C, 22-25 kDa) are three major isoforms (PMID: 31092426; 16469703).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Maria Sol Herrera-Cruz	34743744	Biol Direct	WB
Xiao Wang	33186557	Cell Metab	WB
Dwayne J Byrne	35346366	Acta Neuropathol Commun	WB,IF

Lagerung

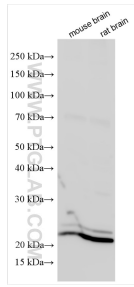
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

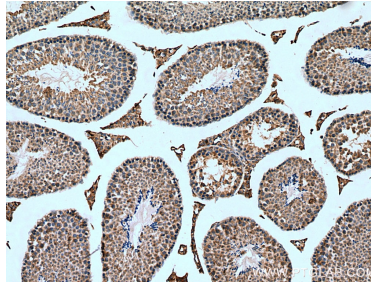
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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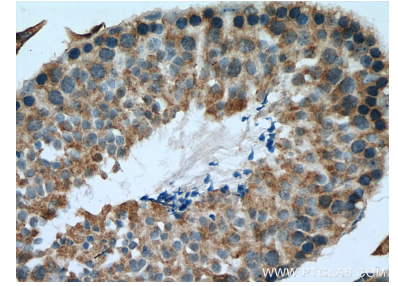
Ausgewählte Validierungsdaten



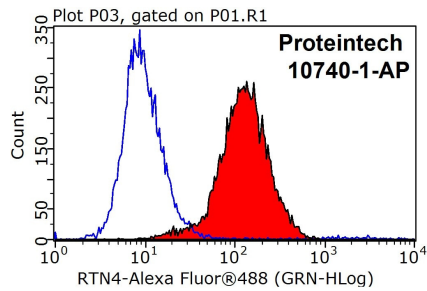
Various lysates were subjected to SDS PAGE followed by western blot with 10740-1-AP (RTN4/NOGO antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10740-1-AP (RTN4/NOGO antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10740-1-AP (RTN4/NOGO antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1×10^6 SH-SY5Y cells were stained with 0.2ug RTN4/NOGO antibody (10740-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.