

Nur für Forschungszwecke

TDP-43 Polyklonaler Antikörper

Katalog-Nr.: Biotin-10782

Vorgestelltes Produkt



Allgemeine Informationen

Katalog-Nr.: Biotin-10782	GenBank-Zugangsnummer: BC001487	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 1000 µg/ml von 23435	GeneID (NCBI): 23435	Empfohlene Verdünnungen: IHC 1:250-1:1000
Nanodrop;	Vollständiger Name: TAR DNA binding protein	
Wirt: Kaninchen	Berechnete Masse: 43 kDa	
Isotyp: IgG	Beobachtete Masse: 43 kDa	
Immunogen Katalognummer: AG1231		

Anwendungen

Geprüfte Anwendungen:

IHC

Getestete Reaktivität:

Human, Maus, Ratte, Zebrafisch

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

Positivkontrollen:

IHC: Maushirngewebe, humanes Gliomgewebe

Hintergrundinformationen

The TARDBP gene encodes the TDP-43 protein, initially found to repress HIV-1 transcription by binding TAR DNA. TDP-43 has since been shown to bind RNA as well as DNA, and have multiple functions in transcriptional repression, translational regulation and pre-mRNA splicing. For instance, it is reported to regulate alternate splicing of the CTRF gene. In 2006 Neumann et al. found that hyperphosphorylated, ubiquitinated and/or cleaved forms of TDP-43, collectively known as pathological TDP-43, play a major role in the disease mechanisms of ubiquitin-positive, tau- and alpha-synuclein-negative frontotemporal dementia (FTLD-U) and in amyotrophic lateral sclerosis (ALS). Proteintech's 10782-2-AP antibody is a rabbit polyclonal antibody recognizing N-terminal TDP-43. It recognizes the intact 43 kDa protein as well as all posttranslationally modified and truncated forms in multiple applications. Various forms of TDP-43 exist, including 18-35 kDa of cleaved C-terminal fragments, 45-50 kDa phospho-protein, 55 kDa glycosylated form, 75 kDa hyperphosphorylated form, and 90-300 kDa cross-linked form. (17023659, 19823856, 21666678, 22193176) Recently TDP-43 has been reported to be overexpressed in triple negative breast cancer (TNBC) and it may be a potential target for TNBC diagnosis and drug design. (29581274)

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:

BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, 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:

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

Ausgewählte Validierungsdaten



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-10782 (TDP-43 antibody) at dilution of 1:500 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).