

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	GenID (NCBI):		Empfohlene Verdünnungen:	IHC 1:250-1:1000
Nanodrop:		Vollständiger Name:	TAR DNA binding protein		
Wirz:	Kaninchen	Berechneté Masse:	43 kDa		
Isotyp:	IgG	Beobachteté Masse:	43 kDa		
Immunogen Katalognummer:	AG1231				

Anwendungen

Geprüfte Anwendungen:	IHC	Positivkontrollen:	
Getestete Reaktivität:	Human, Maus, Ratte, Zebrafisch	IHC :	Maushirngewebe, humanes Gliomgewebe
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.			

Hintergrundinformationen

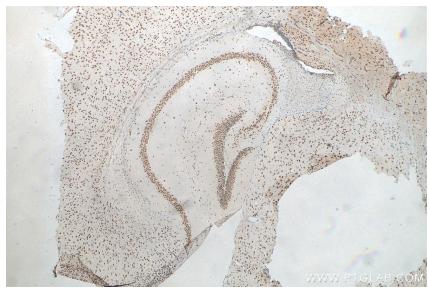
The TARDBP gene encodes the TDP-43 protein, initially found to repress HIV-1 transcription by binding TAR DNA. TDP-43 has since been shown to bind RNA as well as DNA, and have multiple functions in transcriptional repression, translational regulation and pre-mRNA splicing. For instance, it is reported to regulate alternate splicing of the CTFR 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% Glyzerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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).