

Nur für Forschungszwecke

TIA1 Polyklonaler Antikörper

Katalog-Nr.:CL488-12133

Vorgestelltes Produkt



Allgemeine Informationen

Katalog-Nr.: CL488-12133	GenBank-Zugangsnummer: BC015944	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul , Konzentration: 1000 µg/ml von7072	GeneID (NCBI): TIA1 cytotoxic granule-associated RNA binding protein	Empfohlene Verdünnungen: IF 1:50-1:500
Nanodrop;	Vollständiger Name: TIA1 cytotoxic granule-associated RNA binding protein	Anregungs-/Emissionsmaxima-Wellenlängen: 493 nm / 522 nm
Wirt: Kaninchen	Berechnete Masse: 214 aa, 24 kDa, 43 kDa	
Isotyp: IgG	Beobachtete Masse: 40 kDa	
Immunogen Katalognummer: AG2778		

Anwendungen

Geprüfte Anwendungen: IF	Positivkontrollen: IF : L02-Zellen,
Getestete Reaktivität: Human, Maus, Ratte	

Hintergrundinformationen

TIA1, also named as p40-TIA-1, is involved in alternative pre-RNA splicing and regulation of mRNA translation by binding to AU-rich elements (AREs) located in mRNA 3' untranslated regions (3' UTRs). It possesses nucleolytic activity against cytotoxic lymphocyte target cells. TIA1 may be involved in apoptosis. Two isoforms of this protein exist - 41kDa and 42kDa. one of these was a missense variant (P362L) in TIA1. Similar to the ALS-related disease proteins TDP-43, hnRNP A1, and FUS, TIA1 is an RNA-binding protein containing a prionlike LCD and assembles into membrane-less organelles, including SGs. Postmortem neuropathology of five TIA1 mutations carriers showed a consistent pathological signature with numerous round, hyaline, TAR DNA-binding protein 43 (TDP-43)-positive inclusions. TIA1 mutations significantly increased the propensity of TIA1 protein to undergo phase transition. In live cells, TIA1 mutations delayed stress granule (SG) disassembly and promoted the accumulation of non-dynamic SGs that harbored TDP-43. Moreover, TDP-43 in SGs became less mobile and insoluble.

Lagerung

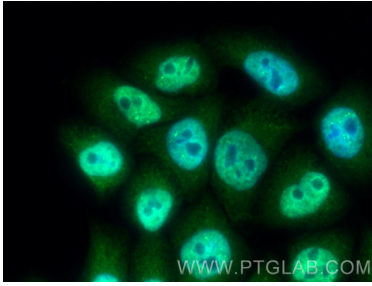
Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen.
Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
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

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

Ausgewählte Validierungsdaten



Immunofluorescent analysis of (4% PFA) fixed L02 cells using CoraLite® Plus 488 TIA1 antibody (CL488-12133) at dilution of 1:200.