

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-TIA1



Numéro de catalogue: 12133-2-AP

Phare

45 Publications

Informations de base

Numéro de catalogue:
12133-2-AP

Taille:
150ul, Concentration: 700 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG2778

Numéro d'acquisition GenBank:
BC015944

Identification du gène (NCBI):
7072

Nom complet:
TIA1 cytotoxic granule-associated
RNA binding protein

MW calculé
214 aa, 24 kDa, 43 kDa

MW observés:
40 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
WB 1:500-1:3000
IP 0.5-4.0 µg for IP and 1:500-1:1000
for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
ChIP, CoIP, IF, IHC, RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poulet, rat, souris

Contrôles positifs:

WB : cellules COLO 320, cellules Jurkat, cellules Raji,
tissu de thymus de souris, tissu splénique de souris

IP : cellules Jurkat,

IHC : tissu de lymphome humain, tissu cérébral de
souris

IF : cellules L02, cellules HeLa, cellules HepG2

**Remarque-IHC: il est suggéré de démasquer
l'antigène avec un tampon de TE buffer pH
9.0; (*) À défaut, le démasquage de
l'antigène peut être effectué avec un
tampon citrate pH 6.0.**

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Tao Wang	36151083	Nat Commun	IF
Li Wang	36255739	Hum Mol Genet	WB
Lei Chang	34647267	J Mol Neurosci	WB, IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

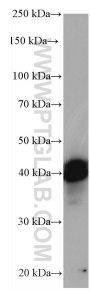
For technical support and original validation data for this product please contact:

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.

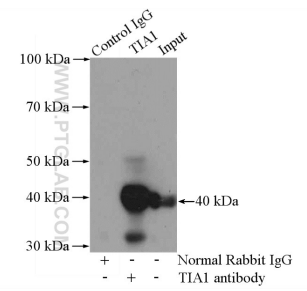
Données de validation sélectionnées



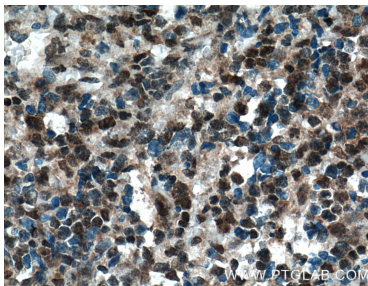
COLO 320 cells were subjected to SDS PAGE followed by western blot with 12133-2-AP (TIA1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



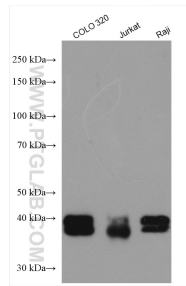
Immunofluorescent analysis of (4% PFA) fixed L02 cells using TIA1 antibody (12133-2-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), 594-CL594-Phalloidin (red).



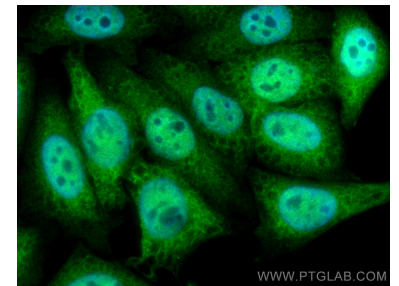
IP Result of anti-TIA1 (IP:12133-2-AP, 4ug; Detection:12133-2-AP 1:500) with Jurkat cells lysate 3200ug.



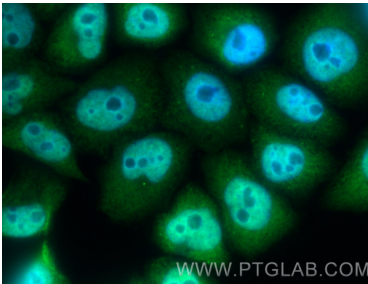
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 12133-2-AP (TIA1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



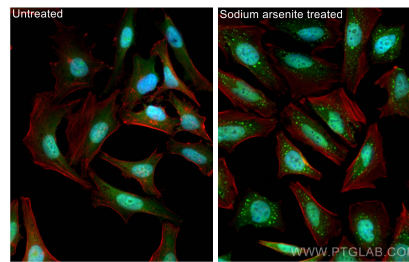
Various lysates were subjected to SDS PAGE followed by western blot with 12133-2-AP (TIA1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



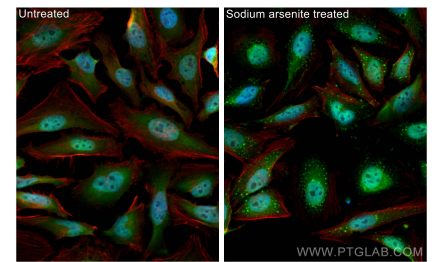
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TIA1 antibody (12133-2-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed L02 cells using TIA1 antibody (12133-2-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using TIA1 antibody (12133-2-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using TIA1 antibody (12133-2-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).