

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-TDP43 (Ser409/410)



Numéro de catalogue: 80007-1-RR

5 Publications

Informations de base

Numéro de catalogue: 80007-1-RR	Numéro d'acquisition GenBank: NML_007375	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1047 µg/ml by Nanodrop;	Identification du gène (NCBI): 23435	CloneNo.: 6M10
Hôte: Lapin	Nom complet: TAR DNA binding protein	Dilutions recommandées: WB 1:200-1:1000 IHC 1:500-1:2000
Isotype: IgG	MW calculé: 43 kDa MW observés: 45-50 kDa	

Applications

Applications testées:
FC, IHC, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, souris

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.

Contrôles positifs:

WB : cellules HeLa traitées à l'acide éthacrynique,

IHC : cortex frontal d'un cas de DLFT-TDP de type B, tissu cérébral humain

Informations générales

Transactivation response (TAR) DNA-binding protein of 43 kDa (also known as TARDBP or TDP-43) was first isolated as a transcriptional inactivator binding to the TAR DNA element of the HIV-1 virus. Neumann et al. (2006) found that a hyperphosphorylated, ubiquitinated, and cleaved form of TARDBP, known as pathologic TDP-43, is the major component of the tau-negative and ubiquitin-positive inclusions that characterize amyotrophic lateral sclerosis (ALS) and the most common pathological subtype of frontotemporal lobar degeneration (FTLD-U). 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. (PMID: 17023659,19823856, 21666678, 22193176). 80007-1-RR is a recombinant rabbit monoclonal antibody recognizing TDP-43 only when phosphorylated at 409/410. Immunohistochemical analyses using this antibody only stain the insoluble inclusions in pathologic tissues without normal diffuse nuclear staining.

Publications notables

Autrice	Pubmed ID	Journal	Application
Josephine C Esposito	34339840	Biochim Biophys Acta Mol Basis Dis	WB
Henrick Riemenschneider	37434215	Acta Neuropathol Commun	IHC,IF
Cheryl E G Leyns	37169750	NPJ Parkinsons Dis	IHC

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.

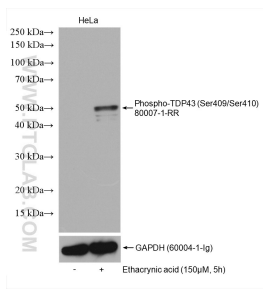
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

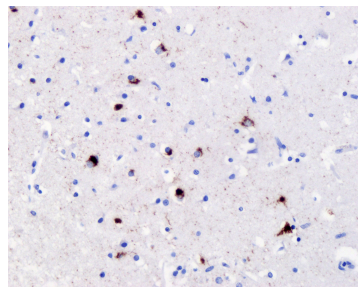
E: proteintech@ptglab.com
W: ptglab.com

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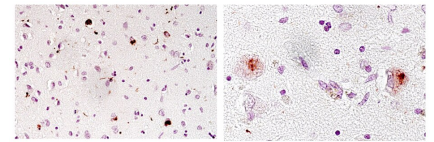
Données de validation sélectionnées



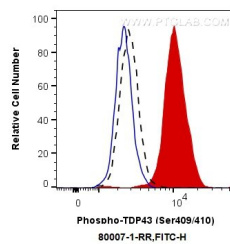
Non-treated and ethacrynic acid treated HeLa cells were subjected to SDS PAGE followed by western blot with 80007-1-RR (Phospho-TDP43 (Ser409/410) antibody) at dilution of 1:300 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



IHC results of Phospho-TDP43 (Ser409/410) rabbit recombinant antibody (80007-1-RR, 1000) with the frontal cortex from FTDL-TDP type B patients. IHC experiment was done with Ventana automatic staining system and Optiview DAB detection kit with heat-induced epitope retrieval (boiling for 32 min in Tris-EDTA based solution CC1 buffer, Ventana). Fig from the lab of Dr. Neumann.



It's human subiculum (high-mag) and temporal cortex (medium-mag) from subject with limbic-predominant age-related TDP-43 encephalopathy neuropathologic change (LATE-NC). Staining provided by Pete Nelson and Ela Patel, U. Kentucky AD Research Center Neuropathology Core.



1X10⁶ Jurkat cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.5 ug Anti-Human Phospho-TDP43 (Ser409/410) (80007-1-RR, Clone:6M10) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, or 0.5 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.