

À des fins de recherche uniquement

Anticorps Monoclonal anti-TDP-43 (human specific)



Numéro de catalogue: 60019-2-Ig

Phare

95 Publications

Informations de base

Numéro de catalogue:

60019-2-Ig

Numéro d'acquisition GenBank:

BC001487

Méthode de purification:

Purification par protéine G

Taille:

150ul, Concentration: 2000 µg/ml by 23435

Identification du gène (NCBI):

23435

CloneNo.:

6H6E12

Nanodrop;

Nom complet:

TAR DNA binding protein

Dilutions recommandées:

WB 1:5000-1:50000

Hôte:

Mouse

MW calculé

IP 0.5-4.0 ug for IP and 1:500-1:2000

Isotype:

IgG1

MW observés:

43 kDa

for WB

IHC 1:5000-1:20000

Applications

Applications testées:

FC, IHC, IP, WB, ELISA

Contrôles positifs:

WB : cellules LNCaP, cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules K-562, tissu cérébral de lapin

Demandes citées:

ColP, IHC, IP, WB

IP : cellules K-562,

Spécificité de l'espèce:

Humain

IHC : tissu de gliome humain, tissu cérébral humain (DLFT-U), tissu de cancer du pancréas humain

Espèces citées:

Humain, cellule de levure

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

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). 60019-2-Ig is a mouse monoclonal antibody recognizing the cleavage product of 20-30 kDa in addition to the native and phosphorylated forms of TDP-43. Immunohistochemical analyses of TDP-43 using this antibody detect both normal diffuse nuclear staining and insoluble inclusions in pathologic tissues. Notably this antibody only recognizes human TDP-43 but not reacts with mouse or rat TDP-43.

Publications notables

Autrice	Pubmed ID	Journal	Application
Nikita Fernandes	32992901	Biomolecules	IF
Deng Han-Xiang HX	21857683	Nature	IHC,IF
Lynda Nwabuobi	31745474	Mov Disord Clin Pract	IHC

Stockage

Stockage:

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

Tampon de stockage:

PBS avec azoture de sodium à 0,1 % 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.

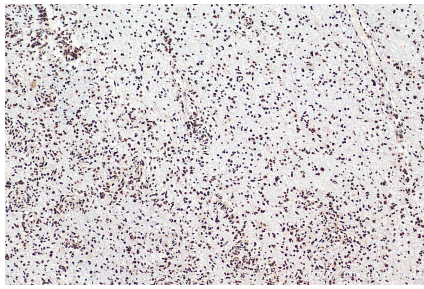
For technical support and original validation data for this product please contact:

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

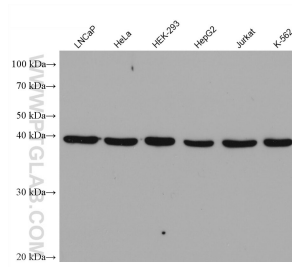
E: proteintech@ptglab.com
W: ptglab.com

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

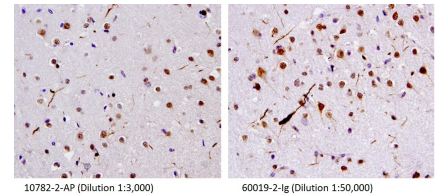
Données de validation sélectionnées



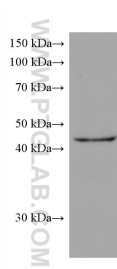
Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 60019-2-Ig (TDP-43 (human specific) antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



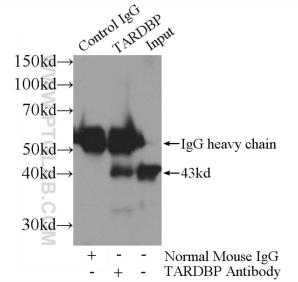
Various lysates were subjected to SDS PAGE followed by western blot with 60019-2-Ig (TDP-43 (human specific) antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



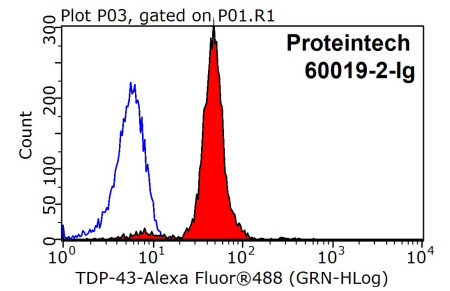
40X of FTD-U case stained by 10782-2-AP and 60019-2-Ig, showing dystrophic neurites. (Figs were provided by Linda K. Kwong).



rabbit brain tissue were subjected to SDS PAGE followed by western blot with 60019-2-Ig (TDP-43 (human specific) antibody) at dilution of 1:100000 incubated at room temperature for 1.5 hours.



IP Result of anti-TDP-43 (human specific) (IP:60019-2-Ig, 5ug; Detection:60019-2-Ig 1:1000) with K-562 cells lysate 1720ug.



1x10⁶ MCF-7 cells were stained with 0.2ug TDP-43 (human specific) antibody (60019-2-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1500.