

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Phospho-TDP43 (Ser403/404)



Numéro de catalogue: 66079-1-Ig **7 Publications**

## Informations de base

<b>Numéro de catalogue:</b> 66079-1-Ig	<b>Numéro d'acquisition GenBank:</b> NM_007375	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop and 671 µg/ml by Bradford method using BSA as the standard;	<b>Identification du gène (NCBI):</b> 23435	<b>CloneNo.:</b> 6B11B12
<b>Hôte:</b> Mouse	<b>Nom complet:</b> TAR DNA binding protein	<b>Dilutions recommandées:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG2a	<b>MW calculé:</b> 43 kDa	
	<b>MW observés:</b> 25 kDa	

## Applications

### Applications testées:

FC, WB, ELISA

### Demandes citées:

IF, IHC, WB

### Spécificité de l'espèce:

Humain, souris

### Espèces citées:

Humain, poisson-zèbre

### Contrôles positifs:

WB : cellules HEK-293, cellules Jurkat, cellules K-562, cellules RAW 264.7, tissu cérébral humain fœtal

## 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). 66079-1-Ig is a mouse monoclonal antibody recognizing TDP-43 only when phosphorylated at 403/404. 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
Janice S W Ng	31529970	Biochemistry	IF
Elisa Rojas-Prats	33139113	Eur J Med Chem	WB
Lara A Gruijs da Silva	36227481	Methods Mol Biol	WB

## 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.

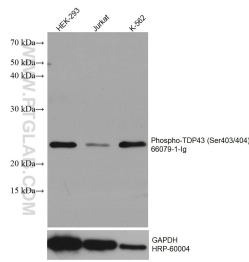
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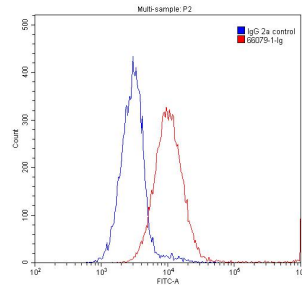
E: proteintech@ptglab.com  
W: ptglab.com

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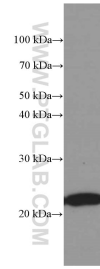
## Données de validation sélectionnées



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66079-1-Ig (Phospho-TDP43 (Ser403/404) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



$1 \times 10^6$  Jurkat cells were stained with 0.20ug Phospho-TDP43 (Ser403/404) antibody (66079-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.



K-562 cells were subjected to SDS PAGE followed by western blot with 66079-1-Ig (Phospho-TDP43 (Ser403/404) Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.