

À des fins de recherche uniquement

Anticorps Monoclonal anti-Phospho-TDP43 (Ser409/410)



Numéro de catalogue: 66318-1-Ig **11 Publications**

Informations de base

Numéro de catalogue: 66318-1-Ig	Numéro d'acquisition GenBank: NM_007375	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 1800 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 23435	CloneNo.: 1A2C1
Hôte: Mouse	Nom complet: TAR DNA binding protein	Dilutions recommandées: WB 1:500-1:2000
Isotype: IgG1	MW calculé: 43 kDa	
	MW observés: 45-50 kDa, 35 kDa	

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : cellules HeLa traitées à l'AE, cellules C6, cellules HEK-293, cellules Neuro-2a, tissu placentaire humain
Demandes citées: IF, IHC, WB	
Spécificité de l'espèce: Humain, rat, souris	
Espèces citées: canin, Humain, souris	

Informations générales

The TARDBP gene encodes the TDP-43 protein, initially found to repress HIV-1 transcription by binding TAR DNA. TDP-43 has since been shown to bind RNA as well as DNA, and have multiple functions in transcriptional repression, translational regulation and pre-mRNA splicing. For instance, it is reported to regulate alternate splicing of the CTRF gene. In 2006 Neumann et al. found that hyperphosphorylated, ubiquitinated and/or cleaved forms of TDP-43, collectively known as pathological TDP-43, play a major role in the disease mechanisms of ubiquitin-positive, tau- and alpha-synuclein-negative frontotemporal dementia (FTLD-U) and in amyotrophic lateral sclerosis (ALS). 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). 66318-1-Ig is a phospho-dependent monoclonal antibody specifically recognizing phospho-TDP43 (409/410). It does not react with native TDP-43.

Publications notables

Autrice	Pubmed ID	Journal	Application
Sadhana Ravikumar	34689831	Acta Neuropathol Commun	IHC
Yasar Arfat T Kasu	29987190	Mol Cell Biol	WB, IF
David A Hicks	31280399	Neurochem Res	WB

Stockage

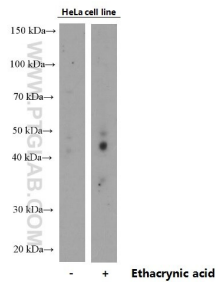
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

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Données de validation sélectionnées



Untreated and EA treated HeLa cells were subjected to SDS PAGE followed by western blot with 66318-1-Ig (Phospho-TDP43 (Ser409/410) Antibody) at dilution of 1:850 incubated at room temperature for 1.5 hours.