À des fins de recherche uniquement

Anticorps Monoclonal anti-FUS/TLS

Numéro de catalogue:68262-1-Ig Phare

proteintech®
Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
68262-1-Ig

Taille:
150ul , Concentration: 500 μg/mL by Nanodrop;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG2150

Numéro d'acquisition GenBank:
BC026062

Identification du gène (NCBI):
2521

Nom complet:
fusion (involved in t(12;16) in malignant liposarcoma)

MW calculé
75 kDa

MW observés:
53 kDa, 68-75 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
1B4F8

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:5000-1:20000
IF 1:200-1:800

Applications

Applications testées:
IF, IHC, WB, ELISA

Spécificité de l'espèce:
Humain, rat, 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 : tissu cérébral de rat, cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules Neuro-2a, tissu cérébral de souris

IHC : tissu cérébral de rat, tissu cérébral de souris, tissu de cervelet de souris, tissu de côlon humain, tissu de tumeur ovarienne humain

IF : tissu cérébral de souris, tissu de cervelet de souris

Informations générales

FUS (also named TLS and POMp75) belongs to the RRM TET family. FUS may play a role in the maintenance of genomic integrity; it binds both single-stranded and double-stranded DNA and promotes ATP-independent annealing of complementary single-stranded DNAs and D-loop formation in superhelical double-stranded DNA. FUS is also an RNA-binding protein, and its links to neurodegenerative disease proffer the intriguing possibility that altered RNA metabolism or RNA processing may underlie or contribute to neuron degeneration[PMID: 22640227]. FUS may be a cause of angiomatoid fibrous histiocytoma (AFH) and is implicated in certain forms of amyotrophic lateral sclerosis (ALS) and frontotemporal dementias (FTDs) such as frontotemporal lobar dementia with ubiquitin inclusions (FTLD-U)(PMID: 22640227). Multiple phosphorylation on the N terminus of FUS caused that FUS was detected 68-75 kDa (PMID:24899704).

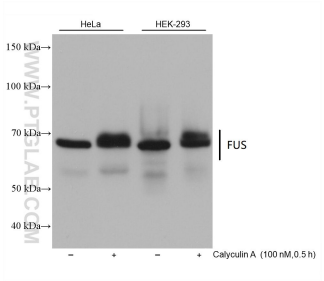
Stockage

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

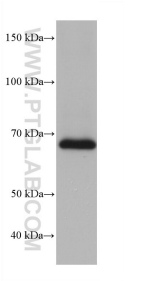
***** Les 20ul contiennent 0,1% de BSA.**

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

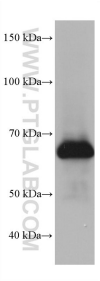
Données de validation sélectionnées



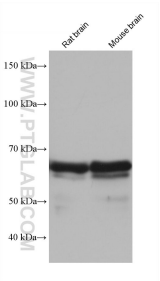
HeLa cells were subjected to SDS PAGE followed by western blot with 68262-1-Ig (FUS/TLS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



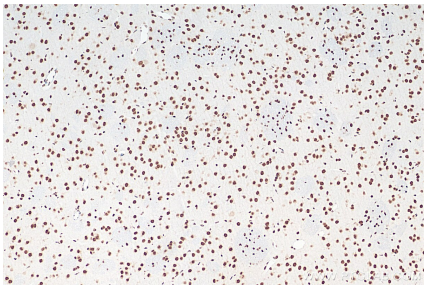
Jurkat cells were subjected to SDS PAGE followed by western blot with 68262-1-Ig (FUS/TLS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



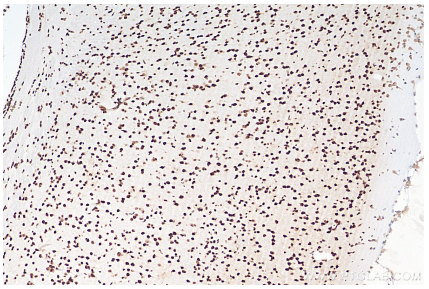
Neuro-2a cells were subjected to SDS PAGE followed by western blot with 68262-1-Ig (FUS/TLS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



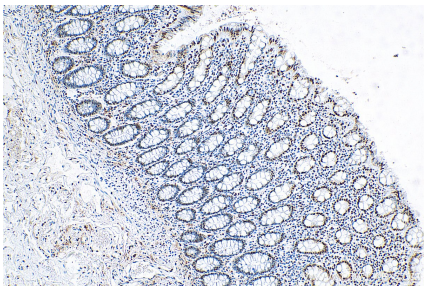
Various lysates were subjected to SDS PAGE followed by western blot with 68262-1-Ig (FUS/TLS antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



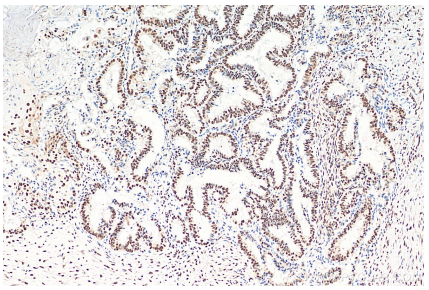
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68262-1-Ig (FUS/TLS antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



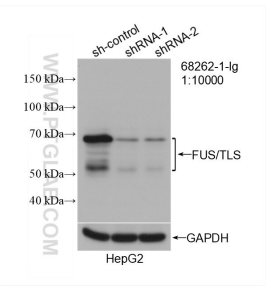
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68262-1-Ig (FUS/TLS antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



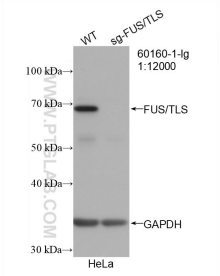
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 68262-1-Ig (FUS/TLS antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

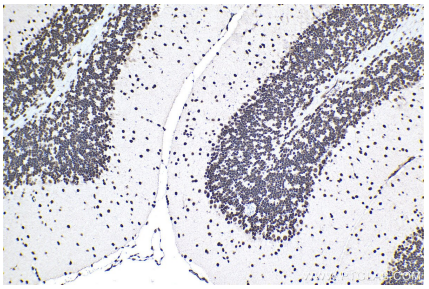


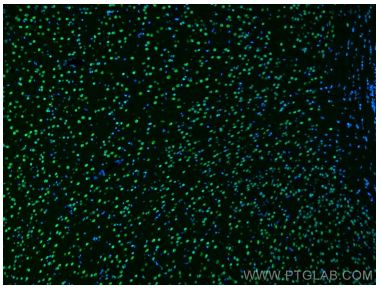
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 68262-1-Ig (FUS/TLS antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of FUS/TLS antibody (68262-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FUS/TLS transfected HepG2 cells.



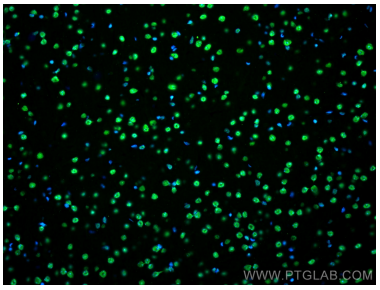




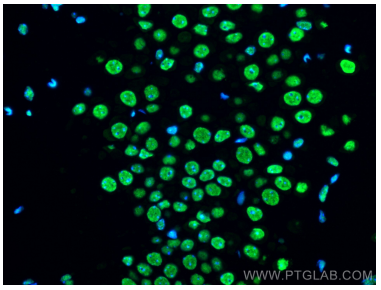
WB result of FUS/TLS antibody (68262-1-Ig; 1:10000; room temperature for 1.5 hours) with negative control and FUS/TLS knockout HeLa cells.

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 68262-1-Ig (FUS/TLS antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using FUS/TLS antibody (68262-1-Ig, Clone: 1B4F8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using FUS/TLS antibody (68262-1-Ig, Clone: 1B4F8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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