

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-FUS/TLS



Numéro de catalogue: 11570-1-AP

Phare

108 Publications

## Informations de base

Numéro de catalogue:  
11570-1-AP

Taille:  
150ul, Concentration: 600 µg/ml by  
Nanodrop;

Hôte:  
Lapin

Isotype:  
IgG

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:  
68-75 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:5000-1:50000  
IP 0.5-4.0 ug for IP and 1:1000-1:4000  
for WB  
IHC 1:50-1:500  
IF 1:50-1:500

## Applications

Applications testées:  
FC, IF, IHC, IP, WB, ELISA

Demandes citées:  
chIP, CoIP, IF, IHC, IP, RIP, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
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 : cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules K-562, cellules SH-SY5Y, tissu cérébral de rat, tissu cérébral de souris

IP : cellules K-562,

IHC : tissu cérébral de souris, tissu cérébral de rat, tissu de cancer du sein humain, tissu de tumeur ovarienne humaine

IF : cellules HepG2, cellules HeLa

## 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]. This antibody is a rabbit polyclonal antibody raised against an internal region of human FUS.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Michael Tibshirani	25274782	Hum Mol Genet	IF
Binbin Zhou	36169888	Mol Neurobiol	WB
Shan Xiu X	20736350	Proc Natl Acad Sci U S A	IF

## 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.

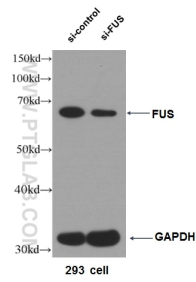
For technical support and original validation data for this product please contact:

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

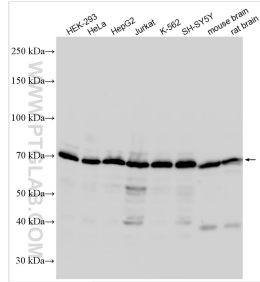
E: proteintech@ptglab.com  
W: ptglab.com

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

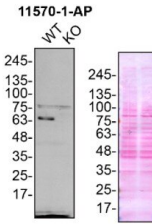
# Données de validation sélectionnées



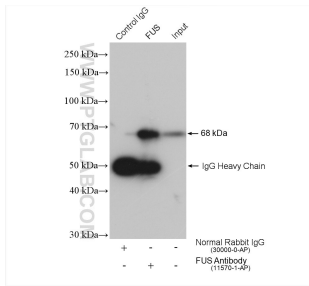
WB result of FUS antibody (11570-1-AP, 1:5000) with si-Control and si-FUS transfected HEK 293 cells.



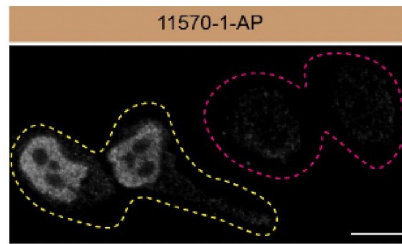
Various lysates were subjected to SDS PAGE followed by western blot with 11570-1-AP (FUS/TLS antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



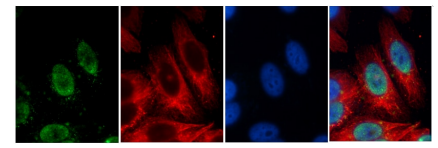
HeLa (WT and FUS KO) lysates prepared with RIPA buffer, 30 µg protein loaded. 11570-1-AP incubated at 1:5000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



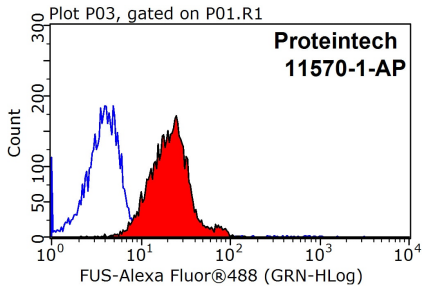
IP result of anti-FUS/TLS (IP:11570-1-AP, 4µg; Detection:11570-1-AP 1:2000) with K-562 cells lysate 1760 µg.



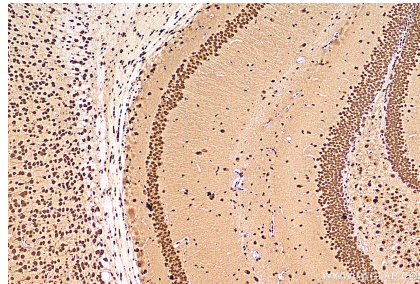
HeLa WT cells (yellow outline) and FUS KO cells (red outline) labelled with a green or a far-red fluorescence dye, respectively. Cells fixed with 4% PFA and stained with 11570-1-AP at 1:2000 plus DAPI. Bars = 10 µm. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



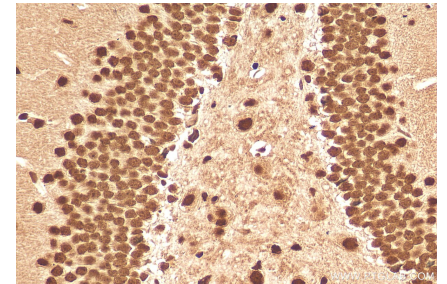
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 11570-1-AP (FUS/TLS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



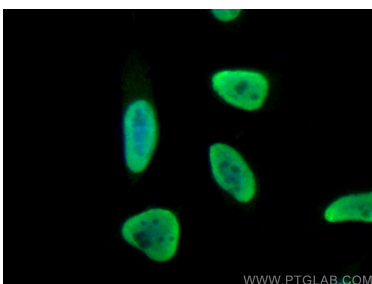
1X10<sup>6</sup> HeLa cells were stained with 0.2µg FUS/TLS antibody (11570-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11570-1-AP (FUS/TLS antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11570-1-AP (FUS/TLS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FUS/TLS antibody (11570-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).