

Nur für Forschungszwecke

FUS/TLS Polyklonaler Antikörper

Katalog-Nr.: 11570-1-AP

Vorgestelltes Produkt

104 Publikationen



Allgemeine Informationen

Katalog-Nr.:

11570-1-AP

Größe:

150ul, Konzentration: 600 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG2150

GenBank-Zugangsnummer:

BC026062

GeneID (NCBI):

2521

Vollständiger Name:

fusion (involved in t(12;16) in malignant liposarcoma)

Berechnete Masse:

75 kDa

Beobachtete Masse:

68-75 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

FC, IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

chIP, CoIP, IF, IHC, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte

Positivkontrollen:

WB: HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Maushirngewebe, Rattenhirngewebe, SH-SY5Y-Zellen

IP: K-562-Zellen,

IF: HepG2-Zellen, HeLa-Zellen

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
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

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

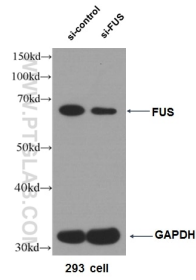
For technical support and original validation data for this product please contact:

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

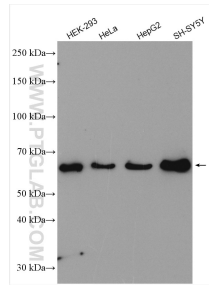
E: proteintech@ptglab.com
W: ptglab.com

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

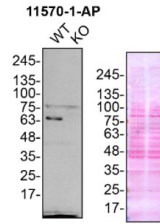
Ausgewählte Validierungsdaten



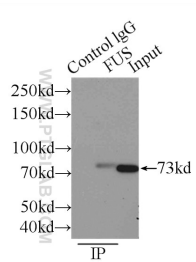
WB result of FUS antibody (11570-1-AP, 1:5000) with si-Control and si-FUS transfected HEK 293 cells.



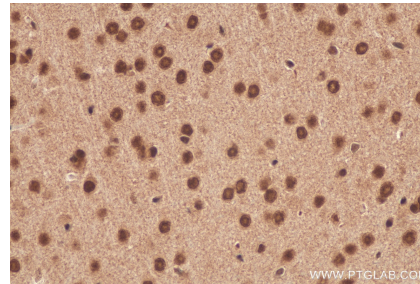
Various lysates were subjected to SDS PAGE followed by western blot with 11570-1-AP (FUS/TLS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



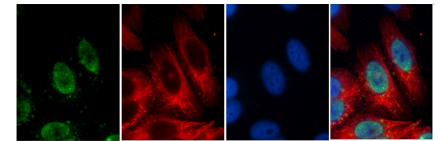
HeLa (WT and FUS KO) lysates prepared with RIPA buffer, 30 µg protein loaded. 11570-1-AP incubated at 1:5000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific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



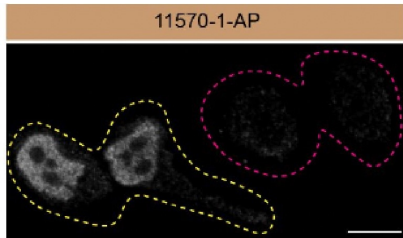
IP Result of anti-FUS (IP:11570-1-AP, 3µg; Detection:11570-1-AP 1:1000) with K-562 cells lysate 4000µg.



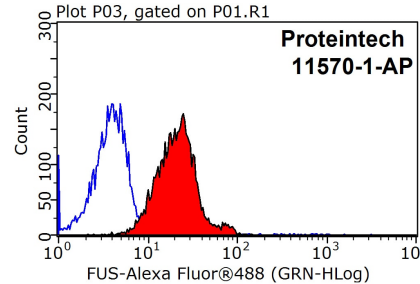
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11570-1-AP (FUS/TLS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



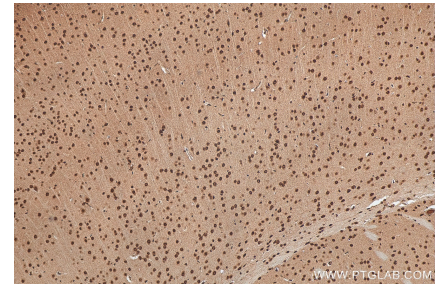
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 11570-1-AP (FUS/TLS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.



1X10⁶ 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).



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).