For Research Use Only

FUS/TLS Monoclonal antibody

Catalog Number:68262-1-lg Featured Product 3 Publications



Catalog Number: 68262-1-lg	GenBank Accession Number: BC026062	Purification Method: Protein G purification	
Size:	GenelD (NCBI):	CloneNo.:	
500 ug/ml	2521	1B4F8	
Source:	UNIPROT ID:	Recommended Dilutions:	
		WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total	
20 C		protein lysate	
-	malignant liposarcoma)	IHC 1:5000-1:20000	
AG2150	Calculated MW: 75 kDa	IF-P 1:200-1:800	
	Observed MW: 53 kDa, 68-75 kDa		
Tested Applications:	Positive	Controls	
		WB : HeLa cells, Jurkat cells, Neuro-2a cells, rat brain tissue, HepG2 cells, HEK-293 cells, mouse brain tissue IP : K-562 cells,	
Cited Applications: WB	tissue, He		
Species Specificity:			
human, mouse, rat		prain tissue, human ovary tumor tissue, blon tissue, mouse brain tissue, mouse	
Cited Species:	cerebellu	im tissue	
		use brain tissue,	
TE buffer pH 9.0; (*) Altern	atively, antigen		
genomic integrity; it binds both si annealing of complementary sing is also an RNA-binding protein, ar altered RNA metabolism or RNA p FUS may be a cause of angiomato lateral sclerosis (ALS) and frontot	ingle-stranded and double-stranded D gle-stranded DNAs and D-loop formati nd its links to neurodegenerative dise processing may underlie or contribute pid fibrous histiocytoma (AFH) and is emporal dementias (FTDs) such as fro 227). Multiple phosphorylation on the	on in superhelical double-stranded DNA. FL ase proffer the intriguing possibility that to neuron degeneration[PMID: 22640227]. implicated in certain forms of amyotrophic	
genomic integrity; it binds both si annealing of complementary sing is also an RNA-binding protein, ar altered RNA metabolism or RNA p FUS may be a cause of angiomato lateral sclerosis (ALS) and frontot inclusions (FTLD-U)(PMID: 226402 detected 68-75 kDa (PMID:248997	ingle-stranded and double-stranded D gle-stranded DNAs and D-loop formati nd its links to neurodegenerative dise processing may underlie or contribute pid fibrous histiocytoma (AFH) and is emporal dementias (FTDs) such as fro 227). Multiple phosphorylation on the	NA and promotes ATP-independent on in superhelical double-stranded DNA. FU ase proffer the intriguing possibility that to neuron degeneration[PMID: 22640227]. implicated in certain forms of amyotrophic intotemporal lobar dementia with ubiquitin N terminus of FUS caused that FUS was	
genomic integrity; it binds both si annealing of complementary sing is also an RNA-binding protein, ar altered RNA metabolism or RNA p FUS may be a cause of angiomatc lateral sclerosis (ALS) and frontot inclusions (FTLD-U)(PMID: 226402 detected 68-75 kDa (PMID:24899) Author	ingle-stranded and double-stranded D gle-stranded DNAs and D-loop formati nd its links to neurodegenerative dise processing may underlie or contribute oid fibrous histiocytoma (AFH) and is emporal dementias (FTDs) such as fro 227). Multiple phosphorylation on the 704).	NA and promotes ATP-independent on in superhelical double-stranded DNA. FU ase proffer the intriguing possibility that to neuron degeneration[PMID: 22640227]. implicated in certain forms of amyotrophic untotemporal lobar dementia with ubiquitin	
genomic integrity; it binds both si annealing of complementary sing is also an RNA-binding protein, ar altered RNA metabolism or RNA p FUS may be a cause of angiomatc lateral sclerosis (ALS) and frontot inclusions (FTLD-U)(PMID: 226402 detected 68-75 kDa (PMID:248997 Author Nicole Scott-Hewitt	ingle-stranded and double-stranded D gle-stranded DNAs and D-loop formati nd its links to neurodegenerative dise processing may underlie or contribute oid fibrous histiocytoma (AFH) and is emporal dementias (FTDs) such as fro 227). Multiple phosphorylation on the 704).	NA and promotes ATP-independent on in superhelical double-stranded DNA. FU ase proffer the intriguing possibility that to neuron degeneration[PMID: 22640227]. implicated in certain forms of amyotrophic intotemporal lobar dementia with ubiquitin N terminus of FUS caused that FUS was Application	
genomic integrity; it binds both si annealing of complementary sing is also an RNA-binding protein, ar altered RNA metabolism or RNA p FUS may be a cause of angiomate lateral sclerosis (ALS) and frontot inclusions (FTLD-U)(PMID: 226402 detected 68-75 kDa (PMID:248997 Author Nicole Scott-Hewitt Kaiwen Bao	ingle-stranded and double-stranded D gle-stranded DNAs and D-loop formati nd its links to neurodegenerative dise processing may underlie or contribute oid fibrous histiocytoma (AFH) and is emporal dementias (FTDs) such as fro 227). Multiple phosphorylation on the r04). Pubmed ID Journal 38942014 Cell	NA and promotes ATP-independent on in superhelical double-stranded DNA. FU ase proffer the intriguing possibility that to neuron degeneration[PMID: 22640227]. implicated in certain forms of amyotrophic intotemporal lobar dementia with ubiquitin N terminus of FUS caused that FUS was Application WB	
genomic integrity; it binds both si annealing of complementary sing is also an RNA-binding protein, ar altered RNA metabolism or RNA p FUS may be a cause of angiomate lateral sclerosis (ALS) and frontot inclusions (FTLD-U)(PMID: 226402 detected 68-75 kDa (PMID:248997 Author Nicole Scott-Hewitt Kaiwen Bao	ingle-stranded and double-stranded D gle-stranded DNAs and D-loop formati nd its links to neurodegenerative dise processing may underlie or contribute bid fibrous histiocytoma (AFH) and is emporal dementias (FTDs) such as fro 2227). Multiple phosphorylation on the 704). Pubmed ID Journal 38942014 Cell 38423014 Mol Cell	NA and promotes ATP-independent on in superhelical double-stranded DNA. FL ase proffer the intriguing possibility that to neuron degeneration[PMID: 22640227]. implicated in certain forms of amyotrophic intotemporal lobar dementia with ubiquitin N terminus of FUS caused that FUS was Application WB	
	68262-1-lg Size: 500 ug/ml Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG2150 Tested Applications: WB, IHC, IF-P, FC (Intra), IP, ELISA Cited Applications: WB Species Specificity: human, mouse, rat Cited Species: human, mouse Note-IHC: suggested antige TE buffer pH 9.0; (*) Altern retrieval may be performed	68262-1-lg BC026062 Size: GeneID (NCBI): 500 ug/ml 2521 Source: UNIPROT ID: Mouse P35637 Isotype: Full Name: IgG1 fusion (involved in t(12;16) in Immunogen Catalog Number: malignant liposarcoma) AG2150 Calculated MW: 75 kDa Observed MW: 53 kDa, 68-75 kDa VB : HeLa Cited Applications: tissue, He WB IP: K-562 Species Specificity: IHC: ratth human, mouse, rat IHC: ratth human, mouse IF-P: mouth Note-IHC: suggested antigen retrieval with IF-P: mouth TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate	

T: 4006900926

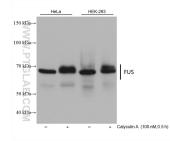
E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

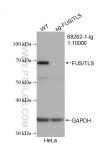
Selected Validation Data

for 1.5 hours.

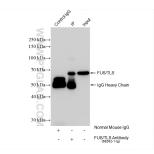




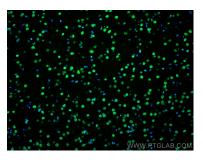
Untreated and Calyculin A treated HeLa and HEK-293 cells were subjected to SDS PACE followed by western blot with 68262-1-lg (FUS/TLS antibody) at dilution of 1:20000 incubated at room temperature Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68262-1-Ig (FUS/TLS antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



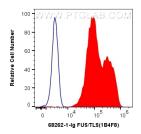
WB result of FUS/TLS antibody (68262-1-Ig; 1:10000; room temperature for 1.5 hours) with negative control and FUS/TLS knockout HeLa cells.



IP result of anti-FUS/TLS (IP:68262-1-Ig, 4ug: Detection:68262-1-Ig 1:5000) with K-562 cells lysate 1800 ug.



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).



1X10^6 HEK-293T cells were intracellularly stained with 0.4 ug Anti-Human FUS/TLS (68262-1-Ig, Clone:1B4F8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).