

For Research Use Only

FUS/TLS Recombinant monoclonal antibody, PBS Only

Catalog Number: 87839-1-PBS



Basic Information

Catalog Number: 87839-1-PBS	GenBank Accession Number: BC026062	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 2521	CloneNo.: 253392E4
Isotype: IgG	UNIPROT ID: P35637	
Immunogen Catalog Number: AG2150	Full Name: fusion (involved in t(12;16) in malignant liposarcoma)	
	Calculated MW: 75 kDa	
	Observed MW: 68-75 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

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).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

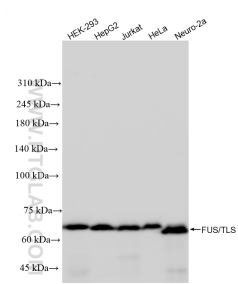
T: 4006900926

E: Proteintech-CN@ptglab.com

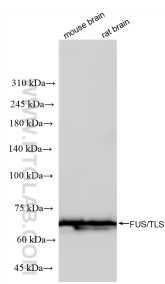
W: ptgcn.com

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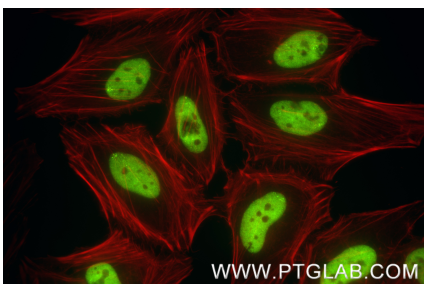
Selected Validation Data



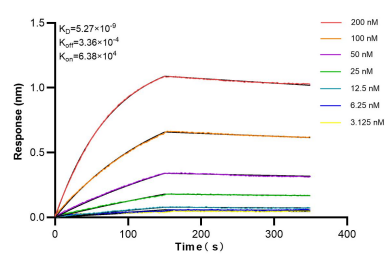
Various lysates were subjected to SDS PAGE followed by western blot with 87839-1-RR (FUS/TLS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87839-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FUS/TLS antibody (87839-1-RR, Clone: 253392E4) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87839-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87839-1-RR against Human FUS/TLS were performed. The affinity constant is 5.27 nM.