For Research Use Only

FUS/TLS Monoclonal antibody

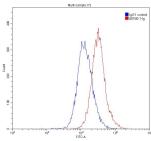
Catalog Number:60160-1-lg Featured Product

20 Publications

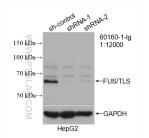


Basic Information	Catalog Number: 60160-1-lg	GenBank Accession Numbe BC026062	er: Purification Method: Protein G purification	
	Size:	GenelD (NCBI):	CloneNo.:	
	150ul , Concentration: 1000 µg/ml by Nanodrop;	Full Name:	3A10B5 Recommended Dilutions:	
	Source: Mouse	fusion (involved in t(12;16) malignant liposarcoma)		
	lsotype: lgG1	Calculated MW: 75 kDa	protein lysate IHC 1:500-1:2500 IF 1:20-1:200	
	Immunogen Catalog Number: AG2150	Observed MW: 68-75 kDa	11 1.20-1.200	
Applications	Tested Applications:	Positive Controls:		
	FC, IF, IHC, IP, WB, ELISA	WB	: HepG2 cells, HeLa cells, HL-60 cells	
	Cited Applications: IF, IHC, IP, RIP, WB	IP:	HeLa cells,	
	Species Specificity: human, mouse, rat, pig		IHC : human gliomas tissue, human colon tissue, human brain (FTLD) tissue, human ovary tumor tissue	
	Cited Species:	IF :	human brain(ALS) tissue, HeLa cells	
	human, mouse, Drosophila			
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen		
Background Information	FUS (also named TLS and POMp75) be	elongs to the RRM TET family	y. FUS may play a role in the maintenance of	
Background Information	genomic integrity; it binds both single annealing of complementary single- is also an RNA-binding protein, and it altered RNA metabolism or RNA proce simultaneously reported that FUS is p amyotrophic sclerosis (fALS). FUS-pos recently, wild-type FUS has also beer (FTLD) with ubiquitin-positive inclusi diseases. There is some debate as to whether TDP-43 and FUS cause neuro antibody is a mouse monoclonal anti	e-stranded and double-stran stranded DNAs and D-loop for s links to neurodegenerative essing may underlie or contr present in 5% of the pathalo sitive inclusions were also rn n implicated in the patholog ions (FTLD-U), further linking whether FUS colocalizes wit degenerative disease indep body raised against an inter nal FUS antibody (60160-1-1	y. FUS may play a role in the maintenance of ided DNA and promotes ATP-independent ormation in superhelical double-stranded DNA. FU e disease proffer the intriguing possibility that ibute to neuron degeneration. Two research group gical aggregations (inclusions) seen in familial eported in cases of sporadic ALS (sALS). More ical development of frototemporal lobar dementi g FUS to the pathogenesis of neurogenerative th TDP-43 in TDP-43-positive cases of ALS and bendently or contributively of one another. This nal region of human FUS. Initial reports from our g) is a useful tool in ALS and FTLD research. For	
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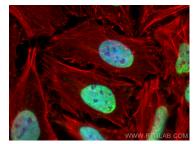
Selected Validation Data



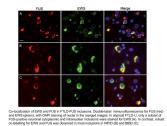
1X10^{^6} K-562 cells were stained with 0.20ug FUS/TLS antibody (60160-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.



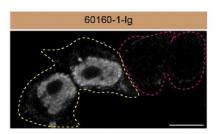
WB result of FUS/TLS antibody (60160-1-lg; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FUS/TLS transfected HepG2 cells.



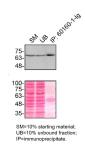
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FUS/TLS antibody (60160-1-1g, Clone: 3A10B5) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



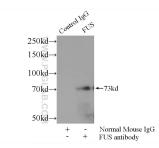
IF result of McAB FUS (60160-1-Ig) in the Paper "FET proteins TAF15 and EWS are selective markers that distinguish FTLD with FUS pathology from amyotrophic lateral sclerosis with FUS mutations" from Manuela Neumann.



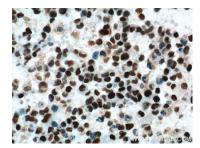
HeLa WT cells (yellow outline) and FUS KO cells (red outline) labelled with a green or a far-red fluorescence dye, respectively. Cells fixed with 4% PFA and stained with 60160-1-1g at 1:2000 plus DAPI. Bars = 10 μ m. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



HeLa lysates prepared and IP of FUS performed using 1.0 µg of 60160-1-1g coupled to protein G-Sepharose beads. The Ponceau stained transfers of each blot are shown. 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:60160-1-Ig, 4ug; Detection:60160-1-Ig 1:10000) with HeLa cells lysate 920ug.



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 60160-1-1g (FUS/TLS Antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).