

ARG58722 anti-TLS / FUS antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TLS / FUS
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TLS / FUS
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 297-526 of Human FUS (NP_004951.1).
Conjugation	Un-conjugated
Alternate Names	TLS; Translocated in liposarcoma protein; ETM4; POMp75; FUS1; ALS6; RNA-binding protein FUS; Oncogene TLS; POMP75; 75 kDa DNA-pairing protein; Oncogene FUS; HNRNPP2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IP	Assay-dependent
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U937	
Observed Size	70 kDa	

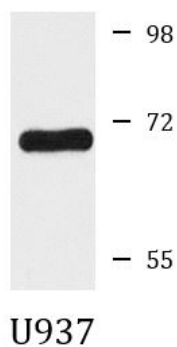
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	FUS
Gene Full Name	FUS RNA binding protein
Background	This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene result in amyotrophic lateral sclerosis type 6. [provided by RefSeq, Sep 2009]
Function	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. May play a role in maintenance of genomic integrity. [UniProt]
Calculated Mw	53 kDa
PTM	Arg-216 and Arg-218 are dimethylated, probably to asymmetric dimethylarginine. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG58722 anti-TLS / FUS antibody WB image

Western blot: 25 µg of U937 cell lysate stained with ARG58722 anti-TLS / FUS antibody at 1:1000 dilution.