

## ARG58694 anti-TLS / FUS antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TLS / FUS
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TLS / FUS
Species	Human
Immunogen	Synthetic peptide derived from Human TLS / FUS.
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
	IHC-P	1:50 - 1:200
	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.	

### Properties

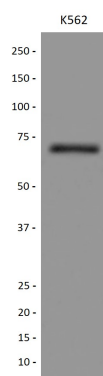
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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.
Note	For laboratory research only, not for drug, diagnostic or other 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

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ARG58694 anti-TLS / FUS antibody WB image

Western blot: K562 cell lysate stained with ARG58694 anti-TLS / FUS antibody.