

ARG46824
anti-TLS / FUS antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TLS / FUS
Tested Reactivity	Hu, Ms, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TLS / FUS
Immunogen	Recombinant protein
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 Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Affinity purification with immunogen
Purification Note	PBS, 50% Glycerol, Proclin 300 or sodium azide
Purity	Proclin 300 or sodium azide
Buffer	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 or below. 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.

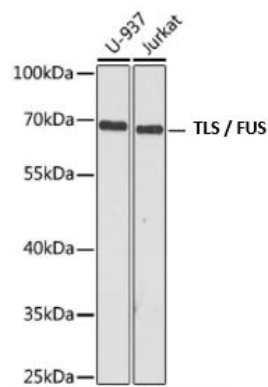
Bioinformation

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]

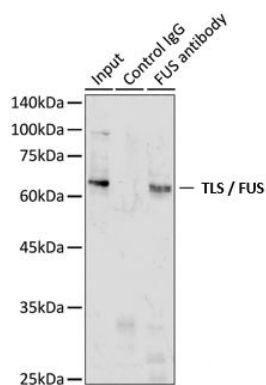
Function	Binds both single-stranded and double-stranded DNA and promotes ATP-independent annealing of complementary single-stranded DNAs and D-loop formation in superhelical double-stranded DNA. May play a role in maintenance of genomic integrity. [UniProt]
Calculated Mw	53 kDa
PTM	Arg-216 and Arg-218 are dimethylated, probably to asymmetric dimethylarginine. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



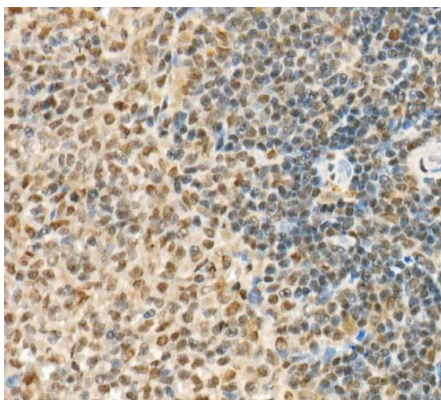
ARG46824 anti-TLS / FUS antibody WB image

Western blot: U-937 and Jurkat stained with ARG46824 anti-TLS / FUS antibody.



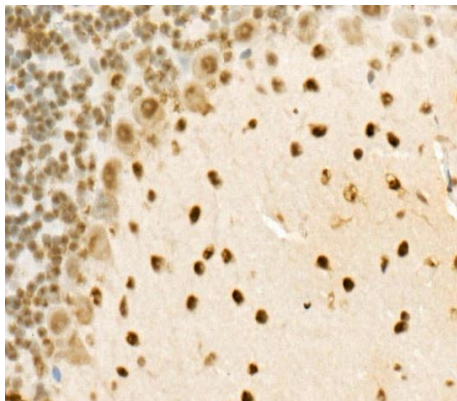
ARG46824 anti-TLS / FUS antibody IP image

Immunoprecipitation: Jurkat lysate immunoprecipitated with 2 µg ARG46824 anti-TLS / FUS antibody.



ARG46824 anti-TLS / FUS antibody IHC-P image

Immunohistochemistry: Rat spleen stained with ARG46824 anti-TLS / FUS antibody.



ARG46824 anti-TLS / FUS antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG46824 anti-TLS / FUS antibody.