

**TLS/FUS Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58069**

**Specification**

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**TLS/FUS Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">P35637</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53426

**TLS/FUS Polyclonal Antibody - Additional Information**

**Gene ID** 2521

**Other Names**

RNA-binding protein FUS, 75 kDa DNA-pairing protein, Oncogene FUS, Oncogene TLS, POMp75, Translocated in liposarcoma protein, FUS, TLS

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**TLS/FUS Polyclonal Antibody - Protein Information**

**Name** FUS

**Synonyms** TLS

**Function**

DNA/RNA-binding protein that plays a role in various cellular processes such as transcription regulation, RNA splicing, RNA transport, DNA repair and damage response (PubMed:<a href="http://www.uniprot.org/citations/27731383" target="\_blank">27731383</a>). Binds to nascent pre-mRNAs and acts as a molecular mediator between RNA polymerase II and U1 small nuclear ribonucleoprotein thereby coupling transcription and splicing (PubMed:<a href="http://www.uniprot.org/citations/26124092" target="\_blank">26124092</a>). Binds also its own pre- mRNA and autoregulates its expression; this autoregulation mechanism is mediated by non-sense-mediated decay (PubMed:<a href="http://www.uniprot.org/citations/24204307" target="\_blank">24204307</a>). Plays a role in DNA repair mechanisms by promoting D-loop formation and homologous recombination during DNA double-strand break repair (PubMed:<a href="http://www.uniprot.org/citations/10567410" target="\_blank">10567410</a>). In neuronal cells, plays crucial roles in dendritic spine formation and stability, RNA transport, mRNA stability and synaptic homeostasis (By similarity).

**Cellular Location**

Nucleus Note=Displays a punctate pattern inside the nucleus and is excluded from nucleoli.

**Tissue Location**

Ubiquitous.

**TLS/FUS Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TLS/FUS Polyclonal Antibody - Images**