

**Anti-FUS / TLS Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17980****Specification**

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

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">P35637</a>
Predicted	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>IgG</b>
Calculated MW	<b>53426</b>

**Anti-FUS / TLS Antibody - Additional Information****Gene ID 2521**Alias Symbol **FUS****Other Names**

FUS, 75 kDa DNA-pairing protein, ALS6, CHOP, FUS-CHOP, FUS1, Fused in sarcoma, HnRNP-P2, HNRNPP2, Oncogene TLS, RNA-binding protein FUS, TLS, C/EBP-homologous protein, ETM4, Fus-like protein, Oncogene FUS, POMP75

**Target/Specificity**

Human FUS / Gadd153

**Reconstitution & Storage**

Caprylic acid and ammonium sulfate precipitation

**Precautions**

Anti-FUS / TLS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-FUS / TLS 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.

**Anti-FUS / TLS 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](#)

**Anti-FUS / TLS Antibody - Images**