

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

Anti-FUS / TLS Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P35637
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	53426

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:27731383). 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:26124092). Binds also its own pre- mRNA and autoregulates its expression; this autoregulation mechanism is mediated by

non-sense-mediated decay (PubMed:24204307). Plays a role in DNA repair mechanisms by promoting D-loop formation and homologous recombination during DNA double-strand break repair (PubMed:10567410). 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