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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 Cytomety
- Cell Culture

Anti-FUS / TLS Antibody - Images