



Mouse Monoclonal Antibody **TLS/FUS** conjugated to Sepharose Beads

CatalogNo: **ANT8181-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

TLS/FUS (ANT0008R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN3a3 preservative.

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 53kD (Calculated)
- 70kD (Observed)
- IgG,Kappa

Isotype

Recommended Dilution Ratios

IP

Basic Information

Clonality	Monoclonal
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Clone Number	ANT0008R
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Immunogen Information

Sequence RNA-binding protein FUS (75 kDa DNA-pairing protein) (Oncogene FUS) (Oncogene TLS) (POMp75) (Translocated in liposarcoma protein)

Specificity Endogenous

Target Information

Protein Name FUS TLS

Organism	Gene ID	UniProt ID
Human	2521 ;	P35637 ;
Mouse	233908 ;	P56959 ;

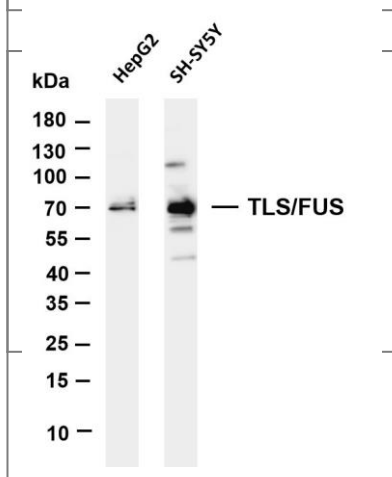
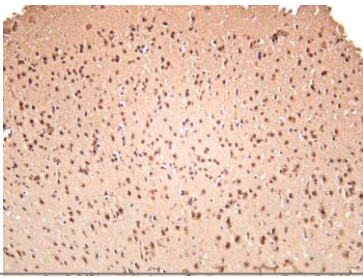
Cellular Localization Nucleus

Tissue specificity Ubiquitous.

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 . 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 . Binds also its own pre-mRNA and autoregulates its expression; this autoregulation mechanism is mediated by non-sense-mediated decay . Plays a role in DNA repair mechanisms by promoting D-loop formation and homologous recombination during DNA double-strand break repair . In neuronal cells, plays crucial roles in dendritic spine formation and stability, RNA transport, mRNA stability and synaptic homeostasis (By similarity).

Validation Data

Mouse brain was stained with anti-TLS/FUS (ANT0008R) rabbit antibody



Rat brain was stained with anti-TLS/FUS (ANT0008R) rabbit antibody

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TLS/FUS (ANT0008R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: SH-SY5Y Predicted band size: 53kDa

Observed band size: 70kDa

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