

## TLS/FUS Rabbit pAb

CatalogNo: YN5727

### | Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse

**Applications**

- WB

**MW**

- 58kD (Calculated)

**Isotype**

- IgG

### | Recommended Dilution Ratios

**WB 1:500-2000**

### | Storage

**Storage\***

-15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality**

Polyclonal

### | Immunogen Information

**Immunogen**

Synthesized peptide derived from human FUS/TLS

**Specificity**

This antibody detects endogenous levels of FUS/TLS at Human, Mouse

### | Target Information

**Gene name**

FUS TLS

<b>Protein Name</b>	RNA-binding protein FUS (75 kDa DNA-pairing protein) (Oncogene FUS) (Oncogene TLS) (POMp75) (Translocated in liposarcoma protein)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">2521</a> ;	<a href="#">P35637</a> ;
	Mouse	<a href="#">233908</a> ;	<a href="#">P56959</a> ;
<b>Cellular Localization</b>	Nucleus . Displays a punctate pattern inside the nucleus and is excluded from nucleoli. .		
<b>Tissue specificity</b>	Ubiquitous.		
<b>Function</b>	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

| Contact information

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