

**FUS/TLS rabbit pAb**

<b>Catalog No :</b>	YN5727
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB
<b>Target :</b>	FUS
<b>Gene Name :</b>	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>Human Gene Id :</b>	2521
<b>Human Swiss Prot No :</b>	P35637
<b>Mouse Gene Id :</b>	233908
<b>Mouse Swiss Prot No :</b>	P56959
<b>Immunogen :</b>	Synthesized peptide derived from human FUS/TLS
<b>Specificity :</b>	This antibody detects endogenous levels of FUS/TLS at Human, Mouse
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 58kD**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).

**Subcellular Location :** Nucleus . Displays a punctate pattern inside the nucleus and is excluded from nucleoli. .**Expression :** Ubiquitous.

## Products Images