Best Tools for immunology Research

FUS/TLS rabbit pAb

Catalog No :	YN5727
Reactivity :	Human;Mouse
Applications :	WB
Target :	FUS
Gene Name :	FUS TLS
Protein Name :	RNA-binding protein FUS (75 kDa DNA-pairing protein) (Oncogene FUS) (Oncogene TLS) (POMp75) (Translocated in liposarcoma protein)
Human Gene Id :	2521
Human Swiss Prot No :	P35637
Mouse Gene Id :	233908
Mouse Swiss Prot No :	P56959
Immunogen :	Synthesized peptide derived from human FUS/TLS
Specificity :	This antibody detects endogenous levels of FUS/TLS at Human, Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-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.

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