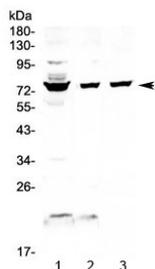


## FUS Antibody / TLS (R32864)

Catalog No.	Formulation	Size
R32864	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	P35637
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This FUS antibody is available for research use only.



Western blot testing of 1) human HepG2, 2) human K562 and 3) mouse NIH3T3 cell lysate with FUS antibody at 0.5ug/ml. Predicted molecular weight ~53 kDa but routinely observed at up to ~75 kDa.

## Description

RNA-binding protein FUS/TLS (Fused in Sarcoma/Translocated in Sarcoma), also called 75 kDa DNA pairing protein, is a protein that in humans is encoded by the FUS gene. This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene result in amyotrophic lateral sclerosis type 6.

## Application Notes

Optimal dilution of the FUS antibody should be determined by the researcher.

## Immunogen

Amino acids DNNTIFVQQLGENVTIESVADYFKQIGIIKTNKKT were used as the immunogen for the FUS antibody.

## Storage

After reconstitution, the FUS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.