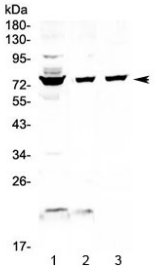
FUS Antibody / TLS (R32864)

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

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P35637
Applications	Western Blot: 0.5-1ug/ml
Limitations	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 DNNTIFVQGLGENVTIESVADYFKQIGIIKTNKKT 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.

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