

A5921

Leader in Biomolecular Solutions for Life Science



[KO Validated] FUS Rabbit pAb

Catalog No.: A5921

KO Validated

2 Publications

Basic Information

Observed MW

70kDa

Calculated MW

53kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

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.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:100

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Immunogen Information

Gene ID

2521

Swiss Prot

P35637

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

TLS; ALS6; ETM4; FUS1; POMP75; altFUS; HNRNPP2; US

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

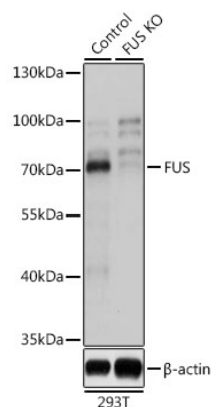
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Contact

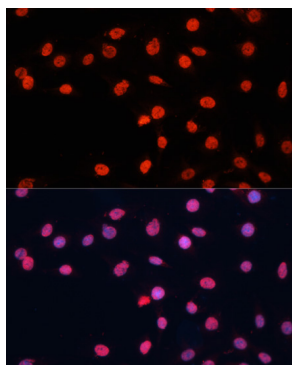


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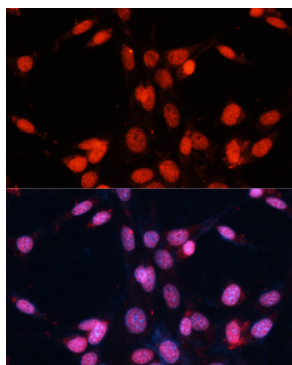
Validation Data



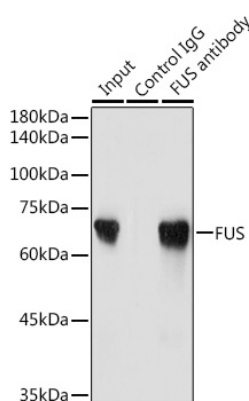
Western blot analysis of lysates from wild type (WT) and FUS knockout (KO) 293T cells, using [KO Validated] FUS Rabbit pAb (A5921) at 1:3000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Immunofluorescence analysis of C6 cells using [KO Validated] FUS Rabbit pAb (A5921) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using [KO Validated] FUS Rabbit pAb (A5921) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg FUS antibody (A5921). Western blot was performed from the immunoprecipitate using FUS antibody (A5921) at a dilution of 1:2000.