

# [KO Validated] FUS Rabbit pAb

Catalog No.: A5921 **KO Validated** **2 Publications**

## Basic Information

### Observed MW

70kDa

### Calculated MW

53kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC, IP

### 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

## Immunogen Information

### Gene ID

2521

### Swiss Prot

P35637

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 297-526 of human FUS (NP\_004951.1).

### Synonyms

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

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

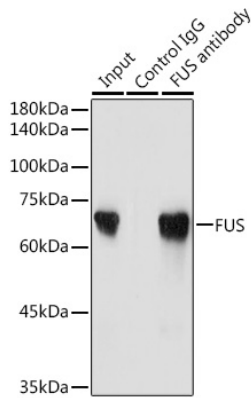
Affinity purification

### Storage

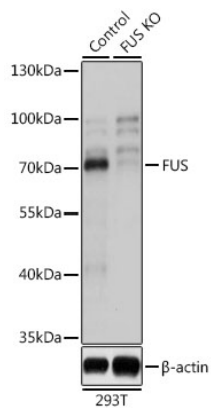
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



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.



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.

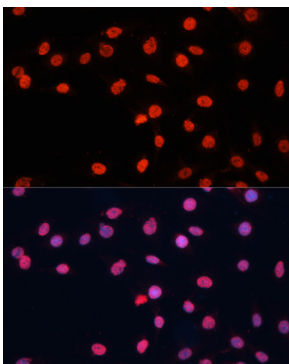
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

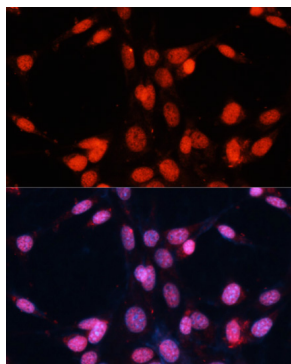
Blocking buffer: 3% nonfat dry milk in TBST.

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 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 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.