

FUS Rabbit pAb

Catalog NO.: A21830

Basic Information

Observed MW

70 kDa

Calculated MW

53 kDa

Category

Polyclonal Antibodies

Applications

WB, IHC-P, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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

IHC-P 1:50 - 1:200

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.

Contact

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; FUS

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

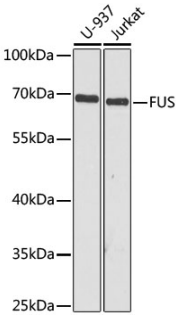
Affinity purification

Storage

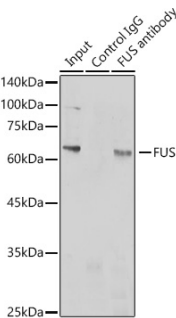
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

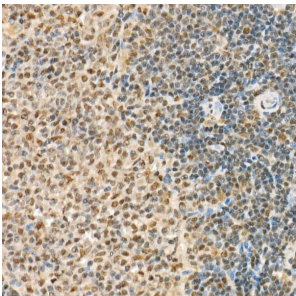
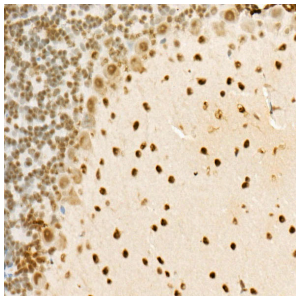
Validation Data



Western blot analysis of various lysates using FUS Rabbit pAb (A21830) at 1:1000 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.



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg FUS antibody (A21830). Western blot was performed from the immunoprecipitate using FUS (A21830) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using FUS Rabbit pAb (A21830) at dilution of 1:25 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat spleen using FUS Rabbit pAb (A21830) at dilution of 1:25 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.