

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

FUS/TLS (4H11)

RRID:AB_2105208

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-47711, RRID:AB_2105208

Antibody Information

URL: http://antibodyregistry.org/AB_2105208

Proper Citation: Santa Cruz Biotechnology Cat# sc-47711, RRID:AB_2105208

Target Antigen: FUS

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown check with seller; recommendations: Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence

Antibody Name: FUS/TLS (4H11)

Description: This monoclonal targets FUS

Target Organism: rat, mouse, human

Clone ID: 4H11

Antibody ID: AB_2105208

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-47711

Record Creation Time: 20250820T053504+0000

Record Last Update: 20250820T215559+0000

Ratings and Alerts

No rating or validation information has been found for FUS/TLS (4H11).

No alerts have been found for FUS/TLS (4H11).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Watanabe Y, et al. (2025) ALS-associated RNA-binding proteins promote UNC13A transcription through REST downregulation. The EMBO journal, 44(17), 4745.

Chellini L, et al. (2025) YAP1 promoter-associated noncoding RNA affects Ewing sarcoma cell tumorigenicity by regulating YAP1 expression. Cellular & molecular biology letters, 30(1), 63.

Kirthika P, et al. (2025) Off-pore Nucleoporin sPOM121 Transcriptionally Propels ??-Catenin-driven Tumor Progression and Immune Escape in Prostate Cancer. Cancer discovery, 15(11), 2374.

Su CH, et al. (2025) Phosphorylated Y14 condensates as a scaffold for DNA double-strand break repair. iScience, 28(8), 113073.

Huang WP, et al. (2025) M6A-dependent RNA condensation underlies FUS autoregulation and can be harnessed for ALS therapy development. Science advances, 11(30), eadx1357.

Okamoto T, et al. (2025) Protocol for visualization of ultrafine nuclear structures in cultured cells using protein retention expansion microscopy. STAR protocols, 6(3), 103985.

Chu CH, et al. (2025) Nuclear paxillin functions as a molecular switch for alternative splicing in neurons during a critical period of brain development. The EMBO journal.

Zang J, et al. (2024) FUS Selectively Facilitates circRNAs Packing into Small Extracellular Vesicles within Hypoxia Neuron. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e2404822.

Masuda A, et al. (2024) Blending and separating dynamics of RNA-binding proteins develop architectural splicing networks spreading throughout the nucleus. Molecular cell, 84(15), 2949.

Belur NR, et al. (2024) Nuclear aggregates of NONO/SFPQ and A-to-I-edited RNA in Parkinson's disease and dementia with Lewy bodies. Neuron, 112(15), 2558.

Hodgson RE, et al. (2024) C9orf72 poly-PR forms anisotropic condensates causative of nuclear TDP-43 pathology. *iScience*, 27(10), 110937.

Ho WY, et al. (2023) FUS-dependent microRNA deregulations identify TRIB2 as a druggable target for ALS motor neurons. *iScience*, 26(11), 108152.

Djaja NA, et al. (2023) Nucleation and dissolution mechanism underlying amyotrophic lateral sclerosis/frontotemporal lobar dementia-linked fused in sarcoma condensates. *iScience*, 26(4), 106537.

Ziff OJ, et al. (2023) Nucleocytoplasmic mRNA redistribution accompanies RNA binding protein mislocalization in ALS motor neurons and is restored by VCP ATPase inhibition. *Neuron*, 111(19), 3011.

Rhine K, et al. (2022) Poly(ADP-ribose) drives condensation of FUS via a transient interaction. *Molecular cell*, 82(5), 969.

Song J, et al. (2022) Regulation of alternative polyadenylation by the C2H2-zinc-finger protein Sp1. *Molecular cell*, 82(17), 3135.

Yasuhara T, et al. (2022) Condensates induced by transcription inhibition localize active chromatin to nucleoli. *Molecular cell*, 82(15), 2738.

Yokoi S, et al. (2022) The SYNGAP1 3'UTR Variant in ALS Patients Causes Aberrant SYNGAP1 Splicing and Dendritic Spine Loss by Recruiting HNRNPK. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 42(47), 8881.

Chen L, et al. (2020) Long noncoding RNA SOX2OT promotes the proliferation of pancreatic cancer by binding to FUS. *International journal of cancer*, 147(1), 175.

Desideri F, et al. (2020) Intronic Determinants Coordinate Charo1 lncRNA Nuclear Activity through the Interaction with MATR3 and PTBP1. *Cell reports*, 33(12), 108548.