

Resource Summary Report

Generated by [RRID](#) on Sep 12, 2026

TIA-1 (C-20)

RRID:AB_2201433

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-1751, RRID:AB_2201433

Antibody Information

URL: http://antibodyregistry.org/AB_2201433

Proper Citation: Santa Cruz Biotechnology Cat# sc-1751, RRID:AB_2201433

Target Antigen: TIA1

Host Organism: goat

Clonality: polyclonal

Comments: Discontinued: 2016; validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

Antibody Name: TIA-1 (C-20)

Description: This polyclonal targets TIA1

Target Organism: rat, mouse, human

Clone ID: C-20

Antibody ID: AB_2201433

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-1751

Record Creation Time: 20231110T043742+0000

Record Last Update: 20260829T015306+0000

Ratings and Alerts

No rating or validation information has been found for TIA-1 (C-20).

Warning: Discontinued: 2016

Discontinued: 2016; validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Rhoads SN, et al. (2025) Neurons and astrocytes have distinct organelle signatures and responses to stress. *Cell reports*, 44(9), 116280.

Viegas JO, et al. (2022) RNA degradation eliminates developmental transcripts during murine embryonic stem cell differentiation via CAPRIN1-XRN2. *Developmental cell*, 57(24), 2731.

Hwang H, et al. (2022) Regulation of RNA localization during oocyte maturation by dynamic RNA-ER association and remodeling of the ER. *Cell reports*, 41(11), 111802.

de Castro Fonseca M, et al. (2021) Molecular and cellular basis of hyperassembly and protein aggregation driven by a rare pathogenic mutation in DDX3X. *iScience*, 24(8), 102841.

Pourhaghighi R, et al. (2020) BrainMap Elucidates the Macromolecular Connectivity Landscape of Mammalian Brain. *Cell systems*, 10(4), 333.

Yang P, et al. (2020) G3BP1 Is a Tunable Switch that Triggers Phase Separation to Assemble Stress Granules. *Cell*, 181(2), 325.

Sahoo PK, et al. (2020) A Ca²⁺-Dependent Switch Activates Axonal Casein Kinase 2?? Translation and Drives G3BP1 Granule Disassembly for Axon Regeneration. *Current biology : CB*, 30(24), 4882.

Marmor-Kollet H, et al. (2020) Spatiotemporal Proteomic Analysis of Stress Granule Disassembly Using APEX Reveals Regulation by SUMOylation and Links to ALS Pathogenesis. *Molecular cell*, 80(5), 876.

Zhang P, et al. (2019) Chronic optogenetic induction of stress granules is cytotoxic and reveals the evolution of ALS-FTD pathology. *eLife*, 8.

Gasset-Rosa F, et al. (2019) Cytoplasmic TDP-43 De-mixing Independent of Stress Granules Drives Inhibition of Nuclear Import, Loss of Nuclear TDP-43, and Cell Death.

Neuron, 102(2), 339.

Wang B, et al. (2019) ULK1 and ULK2 Regulate Stress Granule Disassembly Through Phosphorylation and Activation of VCP/p97. *Molecular cell*, 74(4), 742.

Turakhiya A, et al. (2018) ZFAND1 Recruits p97 and the 26S Proteasome to Promote the Clearance of Arsenite-Induced Stress Granules. *Molecular cell*, 70(5), 906.

Markmiller S, et al. (2018) Context-Dependent and Disease-Specific Diversity in Protein Interactions within Stress Granules. *Cell*, 172(3), 590.

Zhang K, et al. (2018) Stress Granule Assembly Disrupts Nucleocytoplasmic Transport. *Cell*, 173(4), 958.

Hofweber M, et al. (2018) Phase Separation of FUS Is Suppressed by Its Nuclear Import Receptor and Arginine Methylation. *Cell*, 173(3), 706.

Gong Y, et al. (2018) Maintenance of the Innate Seizure Threshold by Cyclooxygenase-2 is Not Influenced by the Translational Silencer, T-cell Intracellular Antigen-1. *Neuroscience*, 373, 37.

Hock EM, et al. (2018) Hypertonic Stress Causes Cytoplasmic Translocation of Neuronal, but Not Astrocytic, FUS due to Impaired Transportin Function. *Cell reports*, 24(4), 987.

Peskett TR, et al. (2018) A Liquid to Solid Phase Transition Underlying Pathological Huntingtin Exon1 Aggregation. *Molecular cell*, 70(4), 588.

Lin JR, et al. (2018) Highly multiplexed immunofluorescence imaging of human tissues and tumors using t-CyCIF and conventional optical microscopes. *eLife*, 7.

Meyer C, et al. (2018) The TIA1 RNA-Binding Protein Family Regulates EIF2AK2-Mediated Stress Response and Cell Cycle Progression. *Molecular cell*, 69(4), 622.