

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 5, 2025

XRN1 Antibody

RRID:AB_2219047

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# A300-443A, RRID:AB_2219047)

Antibody Information

URL: http://antibodyregistry.org/AB_2219047

Proper Citation: (Thermo Fisher Scientific Cat# A300-443A, RRID:AB_2219047)

Target Antigen: XRN1

Host Organism: rabbit

Clonality: polyclonal

Comments: Discontinued; Applications: IP (2-5 µg/mg lysate), WB (1:5,000-1:15,000)

Antibody Name: XRN1 Antibody

Description: This polyclonal targets XRN1

Target Organism: mouse, human

Antibody ID: AB_2219047

Vendor: Thermo Fisher Scientific

Catalog Number: A300-443A

Record Creation Time: 20241016T220707+0000

Record Last Update: 20250416T091531+0000

Ratings and Alerts

- ENCODE PROJECT External validation for lot: 3 is available under ENCODE ID: ENCAB231MQI - ENCODE <https://www.encodeproject.org/antibodies/ENCAB231MQI>

Warning: Discontinued at Thermo Fisher Scientific
Discontinued; Applications: IP (2-5 µg/mg lysate), WB (1:5,000-1:15,000)

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Hosseini A, et al. (2024) Retroelement decay by the exonuclease XRN1 is a viral mimicry dependency in cancer. Cell reports, 43(2), 113684.

Zou T, et al. (2024) XRN1 deletion induces PKR-dependent cell lethality in interferon-activated cancer cells. Cell reports, 43(2), 113600.

Dar SA, et al. (2024) Full-length direct RNA sequencing uncovers stress granule-dependent RNA decay upon cellular stress. eLife, 13.

Hallacli E, et al. (2022) The Parkinson's disease protein alpha-synuclein is a modulator of processing bodies and mRNA stability. Cell, 185(12), 2035.

Takaoka S, et al. (2021) Neuronal XRN1 is required for maintenance of whole-body metabolic homeostasis. iScience, 24(10), 103151.

Duncan-Lewis C, et al. (2021) Cytoplasmic mRNA decay represses RNA polymerase II transcription during early apoptosis. eLife, 10.

Park OH, et al. (2019) Endoribonucleolytic Cleavage of m6A-Containing RNAs by RNase P/MRP Complex. Molecular cell, 74(3), 494.

Courel M, et al. (2019) GC content shapes mRNA storage and decay in human cells. eLife, 8.