

# Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

## XRN1 Antibody

RRID:AB\_2219047

Type: Antibody

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### Proper Citation

Thermo Fisher Scientific Cat# A300-443A, RRID:AB\_2219047

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2219047](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:** 20250819T225111+0000

**Record Last Update:** 20250820T033033+0000

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### 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)

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 8 mentions in open access literature.

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

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.