

**XRN1 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21479b**

**Specification**

---

**XRN1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8IZH2</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	194107

**XRN1 Antibody (C-term) - Additional Information**

**Gene ID** 54464

**Other Names**

5'-3' exoribonuclease 1, 3113-, Strand-exchange protein 1 homolog, XRN1, SEP1

**Target/Specificity**

This XRN1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1389-1423 amino acids from the C-terminal region of human XRN1.

**Dilution**

WB~~1:2000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

XRN1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**XRN1 Antibody (C-term) - Protein Information**

**Name** XRN1 ([HGNC:30654](#))

**Function** Major 5'-3' exoribonuclease involved in mRNA decay. Required for the 5'-3'-processing of the G4 tetraplex-containing DNA and RNA substrates. The kinetic of hydrolysis is faster for G4 RNA tetraplex than for G4 DNA tetraplex and monomeric RNA tetraplex. Binds to RNA and DNA (By similarity). Plays a role in replication-dependent histone mRNA degradation. May act as a tumor

suppressor protein in osteogenic sarcoma (OGS).

#### Cellular Location

Cytoplasm. Note=Discrete foci at the inner surface of the cell membrane

#### Tissue Location

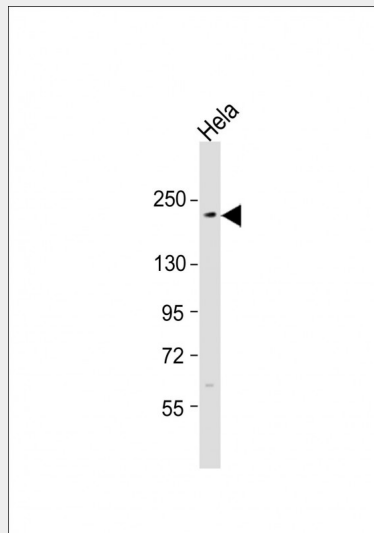
Expressed in heart, brain, pancreas, spleen, testis, osteogenic sarcoma (OGS) biopsy and primary cell lines

### XRN1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### XRN1 Antibody (C-term) - Images



Anti-XRN1 Antibody (C-term) at 1:2000 dilution + HeLa whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 194 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### XRN1 Antibody (C-term) - Background

Major 5'-3' exoribonuclease involved in mRNA decay. Required for the 5'-3'-processing of the G4 tetraplex-containing DNA and RNA substrates. The kinetic of hydrolysis is faster for G4 RNA tetraplex than for G4 DNA tetraplex and monomeric RNA tetraplex. Binds to RNA and DNA (By similarity). Plays a role in replication-dependent histone mRNA degradation. May act as a tumor suppressor protein in osteogenic sarcoma (OGS).

### XRN1 Antibody (C-term) - References

Shimoyama Y., et al. *Neuroscience* 121:899-906(2003).  
Bechtel S., et al. *BMC Genomics* 8:399-399(2007).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Sato Y., et al. *DNA Res.* 5:241-246(1998).  
Lejeune F., et al. *Mol. Cell* 12:675-687(2003).