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XRN1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21479b

Product Information

Application	WB, E
Primary Accession	Q8IZH2
Reactivity	Human
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB49366
Calculated MW	194107

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 E~~Use at an assay dependent concentration.
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.

Protein Information

Name	XRN1 (HGNC:30654)
Function	Major 5'-3' exoribonuclease involved in mRNA decay (PubMed: 18172165, PubMed:33472058). Required for the 5'-3'-processing of the G4 tetraplex-containing DNA and RNA substrates (By similarity). The kinetic of hydrolysis is faster for G4 RNA tetraplex than for G4 DNA tetraplex and

	monomeric RNA tetraplex (By similarity). Plays a role in replication-dependent histone mRNA degradation (PubMed:18172165). May act as a tumor suppressor protein in osteogenic sarcoma (OGS) (PubMed:12426100).
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

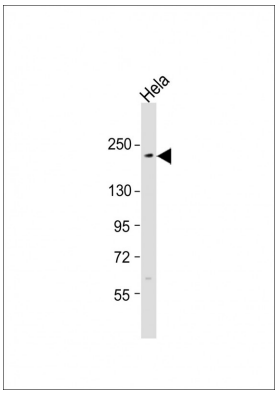
Background

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).

References

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Bechtel S.,et al.BMC Genomics 8:399-399(2007).
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Lejeune F.,et al.Mol. Cell 12:675-687(2003).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.