

XRN2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14359a**Specification**

XRN2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9H0D6
Other Accession	Q9DBR1 , Q9VM71 , Q5ZIP4 , NP_036387.2
Reactivity	Human
Predicted	Chicken, Drosophila, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	108582
Antigen Region	48-76

XRN2 Antibody (N-term) - Additional Information**Gene ID** 22803**Other Names**

5'-3' exoribonuclease 2, 3113-, DHM1-like protein, DHP protein, XRN2

Target/Specificity

This XRN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-76 amino acids from the N-terminal region of human XRN2.

Dilution

WB~~1:1000

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

XRN2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

XRN2 Antibody (N-term) - Protein Information**Name** XRN2

Function Possesses 5'→3' exoribonuclease activity (By similarity). May promote the termination of transcription by RNA polymerase II. During transcription termination, cleavage at the polyadenylation site liberates a 5' fragment which is subsequently processed to form the mature mRNA and a 3' fragment which remains attached to the elongating polymerase. The processive degradation of this 3' fragment by this protein may promote termination of transcription. Binds to RNA polymerase II (RNAP II) transcription termination R-loops formed by G-rich pause sites (PubMed:[21700224](#)).

Cellular Location

Nucleus, nucleolus.

Tissue Location

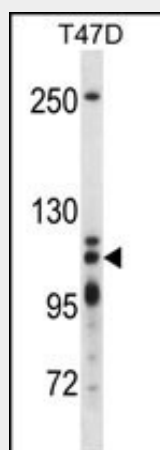
Expressed in the spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocytes, heart, brain, placenta, lung, liver, skeletal muscle, kidney, and pancreas Isoform 2 is expressed predominantly in peripheral blood leukocytes

XRN2 Antibody (N-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](#)

XRN2 Antibody (N-term) - Images



XRN2 Antibody (N-term) (Cat. #AP14359a) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the XRN2 antibody detected the XRN2 protein (arrow).

XRN2 Antibody (N-term) - Background

This gene shares similarity with the mouse Dhml and the yeast dhp1 gene. The yeast gene is involved in homologous recombination and RNA metabolism, such as RNA synthesis and RNA trafficking. Complementation studies show that Dhml has a similar

function in mouse as dhp1. The function of the human gene has not yet been determined. Transcript variants encoding different isoforms have been noted for this gene; however, their full-length nature is not known.

XRN2 Antibody (N-term) - References

Lu, Y., et al. Oncogene 29(7):1041-1049(2010)
Yang, X.C., et al. Mol. Cell. Biol. 29(1):31-42(2009)
Kaneko, S., et al. Genes Dev. 21(14):1779-1789(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)