

XRN2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14359a**Specification**

XRN2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9H0D6](#)**XRN2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22803**Other Names**

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

XRN2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

XRN2 Antibody (N-term) Blocking Peptide - Images

XRN2 Antibody (N-term) Blocking Peptide - Background

This gene shares similarity with the mouse Dhml and theyeast dhp1 gene. The yeast gene is involved in homologousrecombination and RNA metabolism, such as RNA synthesis and RNAt trafficking. Complementation studies show that Dhml has a similarfunction in mouse as dhp1. The function of the human gene has notyet been determined. Transcript variants encoding differentisoforms have been noted for this gene; however, their full-lengthnature is not known.

XRN2 Antibody (N-term) Blocking Peptide - 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)