


Product datasheet

Anti-XRN2 antibody ab72181

★★★★★ [3 Abreviews](#) [14 References](#) [4 Images](#)

Overview

Product name	Anti-XRN2 antibody
Description	Rabbit polyclonal to XRN2
Host species	Rabbit
Tested applications	Suitable for: IP, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Chimpanzee, Rhesus monkey, Orangutan, Bat, Elephant 
Immunogen	Synthetic peptide corresponding to Human XRN2. Synthetic peptide corresponding to a region between residues 900 and 950 of human XRN2 (NP_036387.2) Database link: Q9H0D6
Positive control	WB: TCMK-1, 4T1 and CT26 whole cell lysates. IHC-P: Human colon carcinoma and mouse renal cell carcinoma. IP: HeLa
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab72181 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 3 µg/mg of lysate.
WB	★★★★★ (1)	Use a concentration of 0.4 µg/ml. Detects a band of approximately 109 kDa (predicted molecular weight: 109 kDa).
IHC-P		Use a concentration of 0.2 mg/ml.

Target

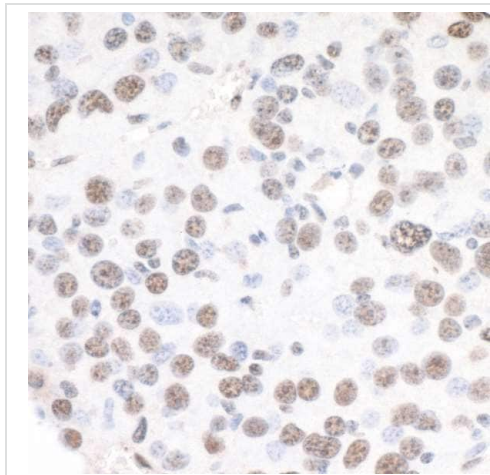
Relevance

XRN2 possesses 5'→3' exoribonuclease activity. XRN2 shares similarity with the mouse Dhml1 and the yeast dhp1 gene. The function of the human gene has not yet been determined, however, it 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.

Cellular localization

Nucleus, nucleolus.

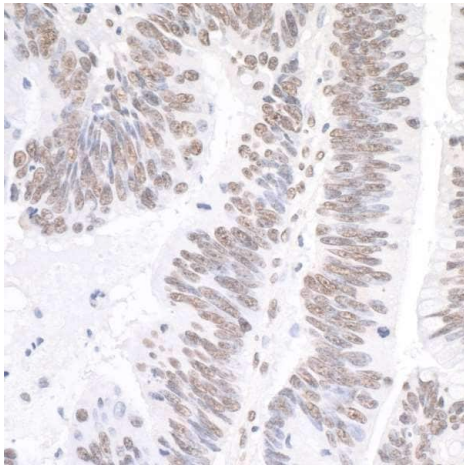
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-XRN2 antibody (ab72181)

IHC image of XRN2 staining in mouse renal cell carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab72181, 0.2µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

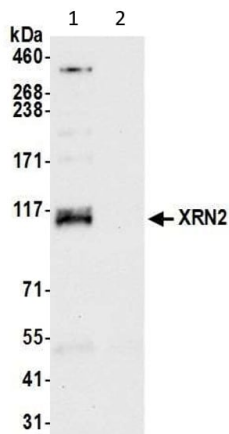
For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-XRN2 antibody (ab72181)

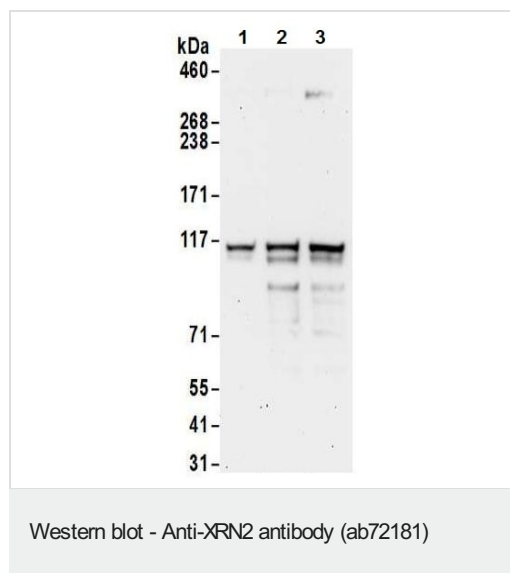
IHC image of XRN2 staining in human colon carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab72181, 0.2µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunoprecipitation - Anti-XRN2 antibody (ab72181)

Detection of Human XRN2 by Immunoprecipitation in Whole cell lysate from HeLa cells (3 ug per IP reaction), using ab72181 at 3 µg/mg lysate for IP and at 1 µg/ml for subsequent Western blot detection.



All lanes : Anti-XRN2 antibody (ab72181) at 0.4 µg/ml

Lane 1 : TCMK-1 whole cell lysate

Lane 2 : 4T1 whole cell lysate

Lane 3 : CT26 whole cell lysate

Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 109 kDa

Exposure time: 3 minutes

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors