

Datasheet for ABIN6266072

anti-XRN2 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	XRN2
Reactivity:	Human, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRN2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human XRN2
Isotype:	IgG
Specificity:	XRN2 Antibody detects endogenous levels of XRN2
Cross-Reactivity:	Human, Monkey, Mouse (Murine)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	XRN2
Alternative Name:	XRN2 (XRN2 Products)

Target Details

Background:	<p>Description: 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).</p> <p>Gene: XRN2</p>
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Molecular Weight:	108kDa
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Gene ID:	22803
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UniProt:	Q9H0D6
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Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 mg/mL
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Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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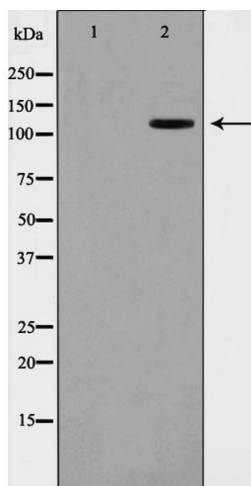
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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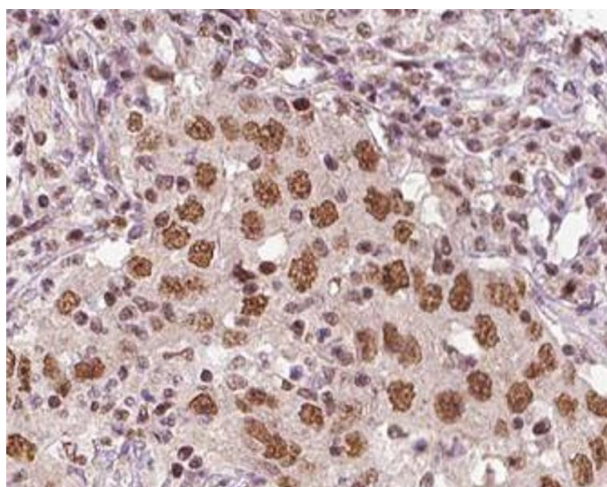
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
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Expiry Date:	12 months
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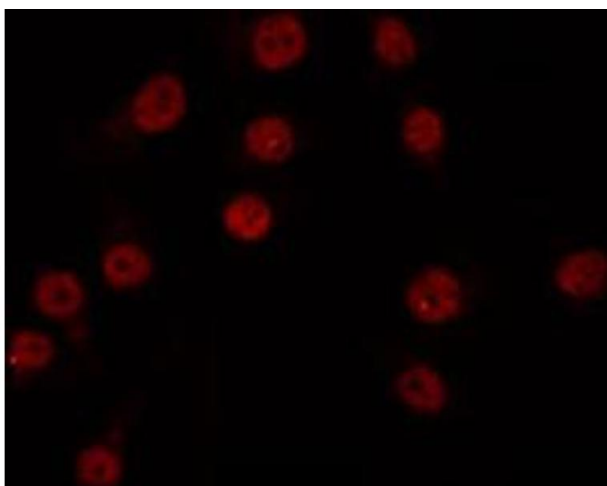
Western Blotting

Image 1. Western blot analysis on COS7 cell lysate using XRN2 Antibody, The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6266816 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunofluorescence (fixed cells)

Image 3. ABIN6266816 staining COS7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.