

DATASHEET

XRN1 Mouse Monoclonal Antibody(C3943)

CAT. NO. AMA03555

KEY FEATURES

| | | | |
|---------------|--------------------------------------------------------------------------------|---------------|--------------|
| Target | XRN1 | Source / Host | Mouse |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

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 . Plays a role in replication-dependent histone mRNA degradation . May act as a tumor suppressor protein in osteogenic sarcoma (OGS) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

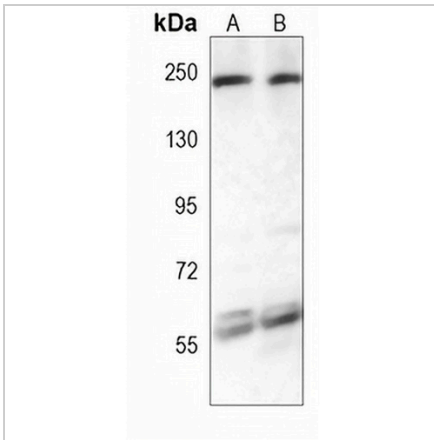
| | |
|-------------------|--------------------------------------------------------------------------------|
| Description | Mouse monoclonal antibody to XRN1 |
| Specificity | Recognizes endogenous levels of XRN1 protein. |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human XRN1. The exact sequence is proprietary. |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 194 kD; Observed: 194 kD |
| Form/Buffer | Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | SEP1; 5'-3' exoribonuclease 1; Strand-exchange protein 1 homolog |
| Gene Symbol | XRN1 |
| Entrez Gene | 54464(Human) |
| SwissProt | Q8IZH2(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of XRN1 expression in K562 (A), MCF7 (B) whole cell lysates.
(Predicted band size: 194 kD; Observed band size: 194 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.