

XRN1 monoclonal antibody

Catalog: MB67147

Host: Mouse

Reactivity: Human

BackGround:

5'-3' exoribonuclease 1 (XRN1) is a cytoplasmic exonuclease that degrades RNA containing a 5'-monophosphate to component mononucleotides. XRN1 is the primary exonuclease associated with ribosomes in the cytoplasm and is responsible for mRNA turnover. This turnover is facilitated in discrete structures in the cytoplasm called P-bodies that contain decapping and deadenylation proteins. XRN1 also plays a role in RISC-mediated mRNA degradation, as it associates with 3' mRNA fragments generated by RISC cleavage. This process does not require uncapping or deadenylation. XRN1 plays a significant role in viral RNA degradation. As such, many viral genomes, including hepatitis C, Dengue, and West Nile, encode for XRN1-resistant long non-coding RNA that affect innate immunity and viral replication.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 200 kDa

Swiss-Prot:

Q8IZH2

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000)

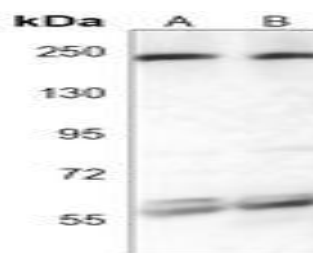
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of XRN1 protein.

DATA:



Western blot analysis of XRN1 expression in K562 (A), MCF7 (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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