# XRN2 polyclonal antibody

Catalog: BS3015 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

Degradation of mRNA is a critical aspect of gene expression that occurs via the exoribonuclease. Exoribonuclease 2 (XRN2) is the human homolog of the Saccharomyces cerevisiae RAT1, which functions as a nuclear 5' to 3' exoribonuclease and is essential for mRNA turnover and cell viability. XRN2 also processes rRNAs and small nucleolar RNAs (snoRNAs) in the nucleus. XRN2 moves along with RNA polymerase II and gains access to the nascent RNA transcript after the endonucleolytic cleavage at the poly(A) site or at a second cotranscriptional cleavage site (CoTC). CoTC is an autocatalytic RNA structure that undergoes rapid self-cleavage and acts as a precursor to termination by presenting a free RNA 5' end to be recognized by XRN2. XRN2 then travels in a 5'-3' direction like a guided torpedo and facilitates the dissociation of the RNA polymerase elongation complex.

## Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## Molecular Weight:

~ 110 kDa

## Swiss-Prot:

Q9H0D6

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

WB: 1:500~1:1000

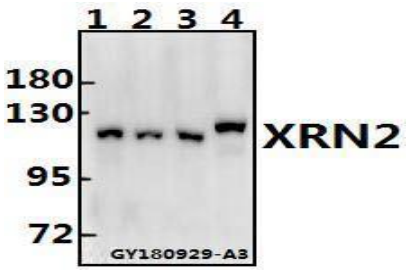
## Storage&Stability:

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

## Specificity:

XRN2 polyclonal antibody detects endogenous levels of XRN2 protein.

## DATA:




Western blot (WB) analysis of XRN2 polyclonal antibody at 1:500 dilution

Lane1:PC3 whole cell lysate(20ug)

Lane2:A2780 whole cell lysate(20ug)

Lane3:SK-OVCAR3 whole cell lysate(40ug)

Lane4:CT26 whole cell lysate(40ug)

## Note:

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

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