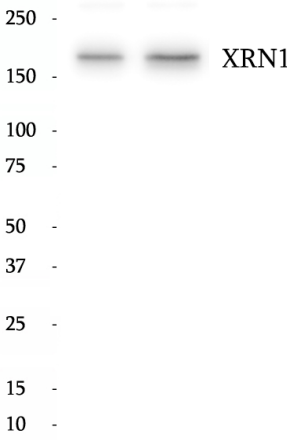


## Certificate of Analysis

Catalog Number	BP65333
Product Name	Anti-XRN1 antibody

## Physical and Chemical Properties

Molecular Weight	175 kDa
GenBank	BC078146
Uniprot	Q8IZH2
Concentration	470 µg/ml
Form	Liquid
Storage Instruction	10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do Not Aliquot.
Chemical Structure OR Tested Image	 <p>250 - 150 - 100 - 75 - 50 - 37 - 25 - 15 - 10 -</p> <p>XRN1</p>

## Product Information

Description	Exoribonuclease I (XRN1), also known as Sep1 or Rar5, is a 1,694-amino acid protein that functions as the major cytoplasmic 5 prime to 3 prime exoribonuclease and plays an important role in mRNA turnover. XRN1 may also function in the microtubular cytoskeleton as well as in DNA recombination and replication. XRN1 induces the expression of stress granules (SGs), cytoplasmic aggregates of stalled translational preinitiation complexes that accumulate during stress, and GW bodies/processing bodies (PBs), distinct cytoplasmic sites of mRNA degradation. There are several isoforms of XRN1 that are produced as a result of alternative splicing events. Loss of XRN1 markedly affects cell growth rates. This antibody is specific to the XRN1 protein.
Tested Applications	WB: 1:1000; IF: 1:100-1:300; IHC:1:50-1:200
Species Reactivity	Human, Mouse, Rat
Host Species/Isotype	Rabbit/IgG

## Analytical Data

Quality Assurance	The biological and chemical parameters such as concentration, purity, application and specificity of the tested antibody comply with the above-mentioned criteria of the product.
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