RRN3 Polyclonal Antibody

Product Details	
Size	100 µL
Species	Human
Published Species	Human
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 288 of Human RRN3
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2548346

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	Assay-Dependent	-
Western Blot (WB)	1:500-1:3000	1 Publication

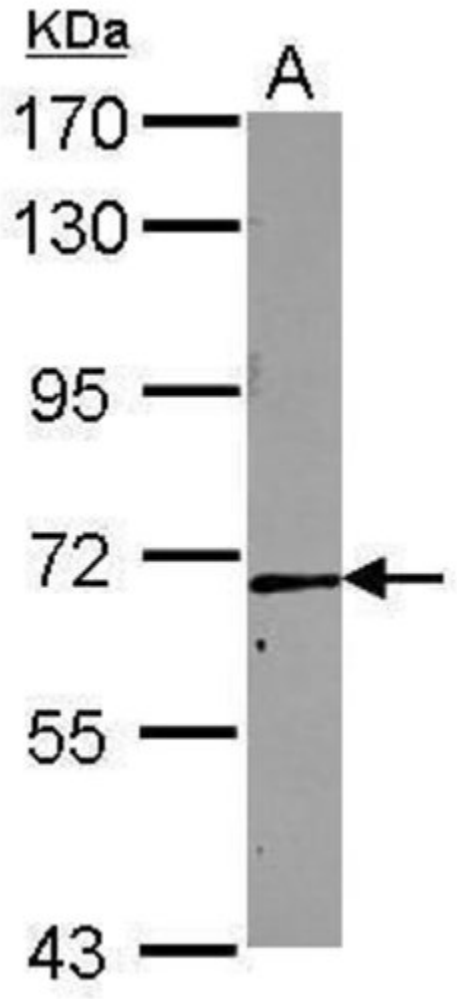
Product Specific Information

Recommended positive controls: Jurkat, K562.

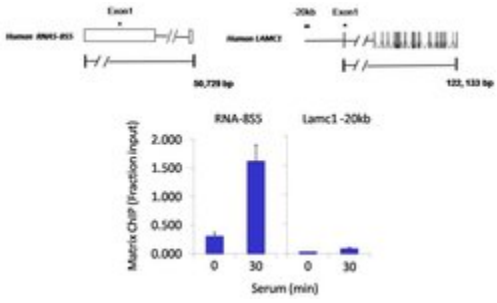
Predicted reactivity: Mouse (92%), Rat (91%), Rhesus Monkey (99%), Bovine (94%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For RRN3 Polyclonal Antibody



RRN3 Antibody (PA5-30872) in WB
Western blot analysis of RRN3 using 30 µg of Jurkat lysate. Samples were loaded onto a 7.5% SDS-PAGE gel and probed with a RRN3 polyclonal antibody (Product # PA5-30872) at a dilution of 1:3000.



RRN3 Antibody (PA5-30872) in ChIP
Chromatin immunoprecipitation analysis of RRN3 was performed using cross-linked chromatin from 1x10^6 HCT116 colon carcinoma cells treated with serum for 0 and 30 minutes. Immunoprecipitation was performed using a multiplex microplate Matrix ChIP assay (see reference for Matrix ChIP protocol: http://www.ncbi.nlm.nih.gov /pubmed/22098709) with 1.0 µL/100 µL well volume of a RRN3 polyclonal antibody (Product # PA5-30872). Chromatin aliquots from ~1x10^5 cells were used per ChIP pull-down. Quantitative PCR data were done in quadruplicate using 1 µL of eluted DNA in 2 µL SYBR real-time PCR reactions containing primers to amplify exon-1 of the RNA5-8S5 gene or -20 kb upstream of the LAMC1 gene. PCR calibration curves were generated for each primer pair from a dilution series of sheared total genomic DNA. Quantitation of immunoprecipitated chromatin is presented as signal relative to the total amount of input chromatin. Results represent the mean +/- SEM for three experiments. A schematic representations of the RNA5-8S5 and LAMC1 loci are shown above the data where boxes represent exons (black boxes = translated regions, white boxes = untranslated regions), the zigzag line represents an intron, and the straight line represents upstream sequence. Regions amplified by RNA5-8S5 and LAMC1 primers are represented by black bars. Data courtesy of the Innovators Program.

1 Reference

Western Blot (1)

Toxicology letters

Curcumin induces oxidation-dependent cell cycle arrest mediated by SIRT7 inhibition of rDNA transcription in human aortic smooth muscle cells.

"PA5-30872 was used in immunocytochemistry and western blot to determine if curcumin can diminish/prevent the development of cardiovascular pathologies"

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Species
Human

Dilution
1:3000

Year
2015