

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

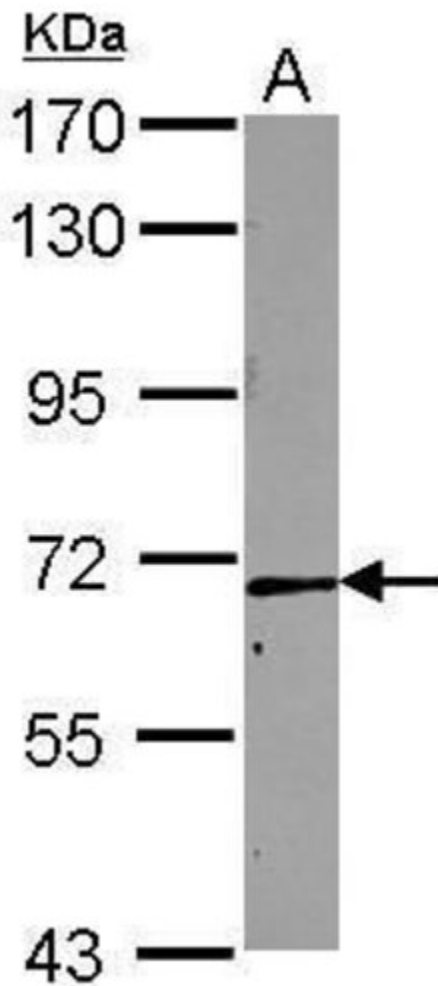
Product Specific Information

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

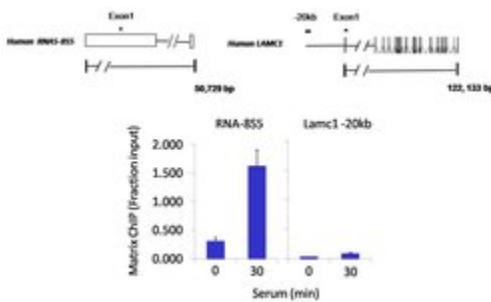


RRN3 Antibody (PA5-30872) in WB

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 1×10^6 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 $\sim 1 \times 10^5$ 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 \pm 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.



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

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