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Datasheet for ABIN7451332 anti-RRP8 antibody (AA 406-456)

Overview

Quantity:	100 µg
Target:	RRP8
Binding Specificity:	AA 406-456
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRP8 antibody is un-conjugated
Application:	Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-RRP8 Antibody, Affinity Purified
Immunogen:	Between AA 406 and 456
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	RRP8
Alternative Name:	RRP8 (RRP8 Products)
Background:	Background: Ribosomal RNA-processing protein (RRP8) is an essential component of the eNoSC (energy-dependent nucleolar silencing) complex, a complex that mediates silencing of

Target Details

rDNA in response to intracellular energy status and acts by recruiting histone-modifying enzymes. The eNoSC complex is able to sense the energy status of cell: upon glucose starvation, elevation of NAD(+)/NADP(+) ratio activates SIRT1, leading to histone H3 deacetylation followed by dimethylation of H3 at 'Lys-9' (H3K9me2) by SUV39H1 and the formation of silent chromatin in the rDNA locus. In the complex, RRP8 binds to H3K9me2 and probably acts as a methyltransferase. Its substrates are however unknown [taken from the Universal Protein Resource (UniProt) O43159].

Gene ID: 23378

NCBI Accession: [NP_056139](#)

UniProt: [O43159](#)

Application Details

Application Notes: IP: 2 - 10 µg/mg lysate
WB: Not recommended. Use rabbit anti-RRP8 antibody ABIN7453202.

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Expiry Date: 12 months