

RRP8 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15630**Specification**

RRP8 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O43159
Other Accession	NM_015324 , NP_056139
Reactivity	Human, Rat, Rabbit, Horse, Yeast, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Rabbit, Pig, Horse, Yeast, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

RRP8 Antibody - N-terminal region - Additional Information**Gene ID** 23378**Alias Symbol** KIAA0409**Other Names**

Ribosomal RNA-processing protein 8, 2.1.1.-, Cerebral protein 1, Nucleomethylin, RRP8, KIAA0409, NML

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-RRP8 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

RRP8 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

RRP8 Antibody - N-terminal region - Protein Information**Name** RRP8**Synonyms** KIAA0409, NML**Function**

Essential component of the eNoSC (energy-dependent nucleolar silencing) complex, a complex that mediates silencing of 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.

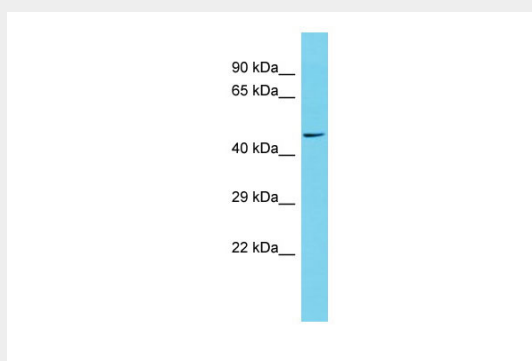
Cellular Location

Nucleus, nucleolus Note=Localizes at rDNA locus

RRP8 Antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RRP8 Antibody - N-terminal region - Images

Host: Rabbit

Target Name: RRP8

Sample Tissue: Placenta lysates

Antibody Dilution: 1.0µg/ml

RRP8 Antibody - N-terminal region - References

Yazaki M., et al. Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.
Ishikawa K., et al. DNA Res. 4:307-313(1997).
Scherl A., et al. Mol. Biol. Cell 13:4100-4109(2002).
Andersen J.S., et al. Curr. Biol. 12:1-11(2002).
Olsen J.V., et al. Cell 127:635-648(2006).