

RRP8 antibody

Product Information

Catalog No.:	FNab07501
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

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.

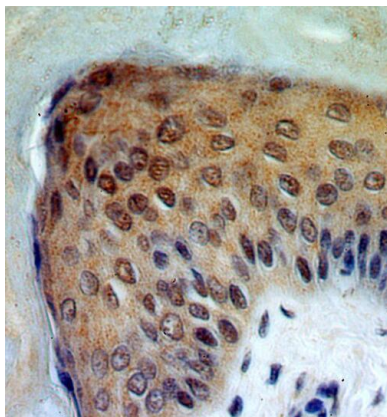
Immunogen information

Immunogen:	ribosomal RNA processing 8, methyltransferase, homolog(yeast)
Synonyms:	Ribosomal RNA-processing protein 8 Cerebral protein 1 Nucleomethilin RRP8 KIAA0409 NML
Observed MW:	51 kDa
Uniprot ID :	O43159

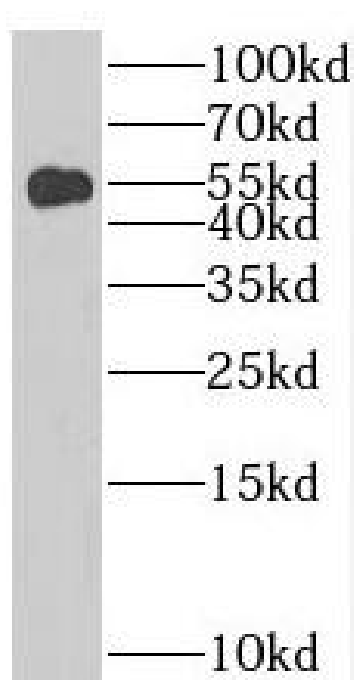
Application

Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IF, IHC
Recommended dilution:	WB: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human skin using FNab07501(RRP8 antibody) at dilution of 1:100



human brain tissue were subjected to SDS PAGE followed by western blot with FNab07501(RRP8 antibody) at dilution of 1:1500