

Cerebral 1 Polyclonal Antibody

Cat No: HR1AP6446

For research use only

Overview

Product Name	Cerebral 1 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	51kDa
GeneID?Human?	RRP8
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	RRP8; KIAA0409; NML; hucep-1; Ribosomal RNA-processing protein 8; Cerebral protein 1; Nucleomethylin
Background	<p>RRP8 (Ribosomal RNA Processing 8, Methyltransferase, Homolog (Yeast) is a Protein Coding gene. Diseases associated with RRP8 include bowen-conradi syndrome and lymphatic system cancer. Among its related pathways are Gene Expression and Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3. GO annotations related to this gene include poly(A) RNA binding and methylated histone binding. ssential 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.</p>