



Rabbit Anti-HUCE1 antibody

SL18103R

Product Name:	HUCE1
Chinese Name:	脑蛋白1抗体
Alias:	Cerebral protein 1; hypothetical protein LOC23378; KIAA0409; Nucleomethylin; Ribosomal RNA processing 8 methyltransferase homolog; Ribosomal RNA processing 8, methyltransferase, homolog (yeast); Ribosomal RNA processing protein 8; Ribosomal RNA-processing protein 8; RRP 8; RRP8; RRP8 methyltransferase homolog; RRP8 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	51kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HUCE1:131-230/456
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Subcellular Location:

Nucleus > nucleolus. Localizes at rDNA locus.

Similarity:

Belongs to the methyltransferase superfamily. RRP8 family.

SWISS:

O43159

Gene ID:

23378

Database links:

[Entrez Gene: 23378](#) Human

[Entrez Gene: 540208](#) Cow

[Entrez Gene: 476835](#) Dog

[Entrez Gene: 100070052](#) Horse

[Entrez Gene: 101867](#) Mouse

[Entrez Gene: 100623550](#) Pig

[Entrez Gene: 100355346](#) Rabbit

[SwissProt: O43159](#) Human

[SwissProt: Q9DB85](#) Mouse

[Unigene: 652255](#) Human

[Unigene: 231400](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

