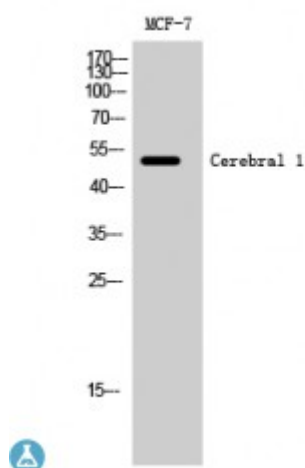


Anti-Cerebral 1 antibody



Description	Rabbit polyclonal to Cerebral 1.
Model	STJ92237
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Cerebral 1
Immunogen Region	240-320 aa, Internal
Gene ID	23378
Gene Symbol	RRP8
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	Cerebral 1 Polyclonal Antibody detects endogenous levels of Cerebral 1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ribosomal RNA-processing protein 8 Cerebral protein 1 Nucleomethylin
Molecular Weight	51 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:29030 MIM:615818
Alternative Names	Ribosomal RNA-processing protein 8 Cerebral protein 1 Nucleomethylin
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 Localization	Nucleus, nucleolus. Localizes at rDNA locus.

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