

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Cerebral 1 (L310) Peptide

Cat No.: BS3101P

Background

Cerebral 1 also called hucep-1, KIAA0409 or RRP8, is an 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.

Swiss-Prot

O43159

Applications

Blocking

Specificity

This peptide can be used with studies using BS3101 Cerebral 1 (L310) pAb.

Purification & Purity

Synthetic peptide Cerebral 1 (L310). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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