

Product Name: CENPS Rabbit Polyclonal Antibody
Catalog #: APRab08652



Summary

Production Name	CENPS Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	APITD1 CENPS FAAP16 MHF1
Alternative Names	
Gene ID	100526739.0
SwissProt ID	Q8N2Z9. Synthesized peptide derived from human protein . at AA range: 70-150

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:5000-20000
Molecular Weight	15kDa

Background

This gene was identified in the neuroblastoma tumor suppressor candidate region on chromosome 1p36. It contains a TFIID-31 domain, similar to that found in TATA box-binding protein-associated factor, TAF(II)31, which is required for p53-

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mediated transcription activation. This gene was expressed at very low levels in neuroblastoma tumors, and was shown to reduce cell growth in neuroblastoma cells, suggesting that it may have a role in a cell death pathway. The protein is a component of multiple complexes, including the Fanconi anemia (FA) core complex, the APITD1/CENPS complex, and the CENPA-CAD (nucleosome distal) complex. Known functions include an involvement with chromatin associations of the FA core complex, and a role in the stable assembly of the outer kinetochore. Alternative splicing of this gene results in multiple transcript variants. Naturally occurring read-through transcripts also exist.

caution: The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.

function: Binds to all human somatostatin receptor (SSTR) subtypes. It also inhibits cAMP production induced by forskolin through SSTRs.

function: Component of the CENPA-CAD (nucleosome distal) complex, a complex recruited to centromeres which is involved in assembly of kinetochore proteins, mitotic progression and chromosome segregation.

similarity: Belongs to the somatostatin family.

similarity: Belongs to the TAF9 family.

subcellular location: Localizes exclusively in the centromeres. The CENPA-CAD complex is probably recruited on centromeres by the CENPA-NAC complex.

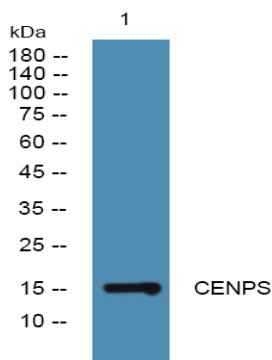
subunit: Component of the CENPA-CAD complex, composed of CENPI, CENPK, CENPL, CENPO, CENPP, CENPQ, CENPR and CENPS. The CENPA-CAD complex interacts with the CENPA-NAC complex, at least composed of CENPA, CENPC, CENPH, CENPM, CENPN, CENPT and MLF1IP/CENPU.

tissue specificity: Expressed in a subset of GABAergic cells in the cortex and hippocampus.

tissue specificity: Ubiquitously expressed.

Research Area

Image Data



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night

Note

For research use only.