

Product Name: CDK5 Activator-binding C48 Rabbit Polyclonal Antibody
Catalog #: APRab08566

Summary

Production Name	CDK5 Activator-binding C48 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,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, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CDK5RAP2
Alternative Names	CDK5RAP2; CEP215; KIAA1633; CDK5 regulatory subunit-associated protein 2; CDK5 activator-binding protein C48; Centrosome-associated protein 215
Gene ID	55755.0
SwissProt ID	Q96SN8.The antiserum was produced against synthesized peptide derived from human CDK5RAP2. AA range:251-300

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:20000
Molecular Weight	

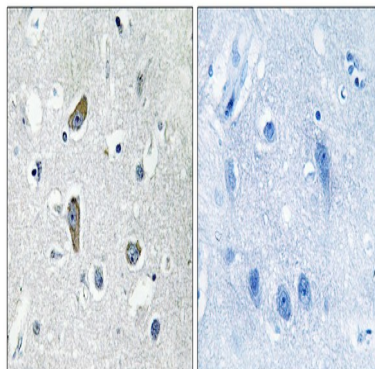
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Background

This gene encodes a regulator of CDK5 (cyclin-dependent kinase 5) activity. The protein encoded by this gene is localized to the centrosome and Golgi complex, interacts with CDK5R1 and pericentrin (PCNT), plays a role in centriole engagement and microtubule nucleation, and has been linked to primary microcephaly and Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013],disease:Defects in CDK5RAP2 are the cause of primary microcephaly autosomal recessive type 3 (MCPH3) [MIM:604804]. Microcephaly is defined as a head circumference more than 3 standard deviations below the age-related mean. Brain weight is markedly reduced and the cerebral cortex is disproportionately small. Despite this marked reduction in size, the gyral pattern is relatively well preserved, with no major abnormality in cortical architecture. Primary microcephaly is further defined by the absence of other syndromic features or significant neurological deficits.,function:Potential regulator of CDK5 activity via its interaction with CDK5R1.,miscellaneous:The sequence shown here is derived from an EMBL/GenBank/DDBJ third party annotation (TPA) entry.,PTM:Phosphorylated in vitro by CDK5.,sequence caution:Translated as Gln.,subunit:Interacts with CDK5R1 (p35 form). CDK5RAP1, CDK5RAP2 and CDK5RAP3 show competitive binding to CDK5R1. Probably forms a complex with CDK5R1 and CDK5.,tissue specificity:Widely expressed. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain, using CDK5RAP2 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.