

Cdk5rap1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14029

Product Information

Application	WB
Primary Accession	Q9JLH6
Other Accession	NM_145721 , NP_663773
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65866

Additional Information

Gene ID	252827
Alias Symbol	Cdk5rap1
Other Names	CDK5 regulatory subunit-associated protein 1, CDK5 activator-binding protein C42, Cdk5rap1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Cdk5rap1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Cdk5rap1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Cdk5rap1
Function	Methylthiotransferase that catalyzes the conversion of N6-(dimethylallyl)adenosine (i(6)A) to 2-methylthio-N6-(dimethylallyl)adenosine (ms(2)i(6)A) at position 37 (adjacent to the 3'-end of the anticodon) of four mitochondrial DNA-encoded tRNAs (Ser(UCN), Phe, Tyr and Trp) (By similarity). Essential for efficient and highly accurate protein translation by the ribosome (By similarity). Specifically inhibits CDK5 activation by CDK5R1 (By similarity). Essential for efficient mitochondrial protein synthesis and respiratory chain (By similarity).
Cellular Location	Mitochondrion inner membrane {ECO:0000250 UniProtKB:Q96SZ6}

Tissue Location

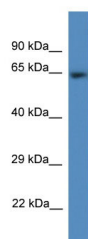
Expressed in brain..

References

Ching Y.-P.,et al.Gene 242:285-294(2000).

Ching Y.-P.,et al.J. Biol. Chem. 277:15237-15240(2002).

Images



WB Suggested Anti-Cdk5rap1 Antibody Titration: 1.0

µg/ml

Positive Control: Rat Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.