

Cdk5rap1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14029**Specification**

Cdk5rap1 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9JLH6
Other Accession	NM_145721 , NP_663773
Reactivity	Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65kDa KDa

Cdk5rap1 antibody - C-terminal region - 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.

Cdk5rap1 antibody - C-terminal region - 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}

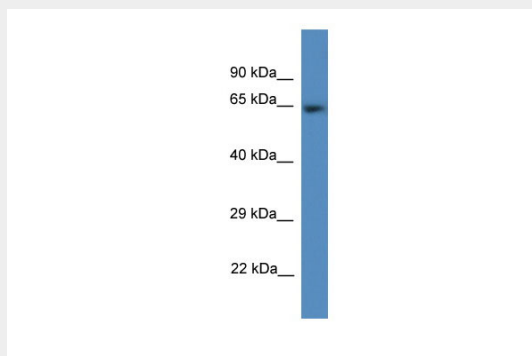
Tissue Location

Expressed in brain..

Cdk5rap1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cdk5rap1 antibody - C-terminal region - Images

WB Suggested Anti-Cdk5rap1 Antibody Titration: 1.0 µg/ml

Positive Control: Rat Heart

Cdk5rap1 antibody - C-terminal region - References

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

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