

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

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**Cdk5rap1 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O9JLH6</a>
Other Accession	<a href="#">NM_145721</a> , <a href="#">NP_663773</a>
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	<b>Cdk5rap1</b>
<b>Other Names</b>	

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}

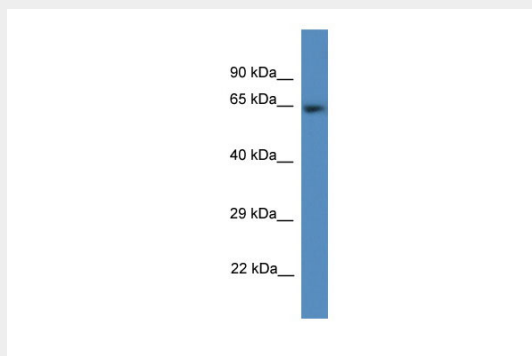
**Tissue Location**

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).