

For Research Use Only

# CDK5RAP2-Specific Polyclonal antibody



Catalog Number: 20061-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 20061-1-AP	<b>GenBank Accession Number:</b> NM_001011649	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul	<b>GeneID (NCBI):</b> 55755	
<b>Source:</b> Rabbit	<b>Full Name:</b> CDK5 regulatory subunit associated protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 215 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF, WB

**Species Specificity:**  
human

**Cited Species:**  
human

## Background Information

CDK5RAP2, also named as CEP215 and KIAA1633, belongs to the methyltransferase family and MiaB subfamily. This protein binds to p25NCK5A and therefore may be involved in neuronal differentiation. It may also be a substrate of neuronal CDC2-like kinase. CDK5RAP2 specifically inhibits CDK5 activation by CDK5R1. Defects in CDK5RAP2 are the cause of primary microcephaly autosomal recessive type 3 (MCPH3). Multiple isoforms generated through co- and/or posttranslational modifications or degradation may exist as scientists have described bands of 70, 90, 105, 200, and 230 kDa in mice depending on the age and organ investigated as well as the anti-Cdk5rap2 antibody applied or 210kd in total cell lysates of some human cancer cell lines. (PUMID: 21327915, 20471352 and 18042621). The antibody is specific to CDK5RAP2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Umut Batman	35849559	PLoS Biol	WB,IF

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data