

For Research Use Only

# CDK5RAP3 Recombinant monoclonal antibody

Catalog Number: 86177-2-RR



## Basic Information

<b>Catalog Number:</b> 86177-2-RR	<b>GenBank Accession Number:</b> BC009957	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul, Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80279	<b>CloneNo.:</b> 250801G11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96JB5	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000 IHC: 1:250-1:1000 IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> CDK5 regulatory subunit associated protein 3	
<b>Immunogen Catalog Number:</b> AG1474	<b>Calculated MW:</b> 57 kDa	
	<b>Observed MW:</b> 65 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Species Specificity:**  
human

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, HepG2 cells, A431 cells, HEK-293T cells, Jurkat cells

**IHC :** human colon cancer tissue,

**IF/ICC :** HepG2 cells,

## Background Information

Cyclin-dependent kinase 5 (CDK5) regulatory subunit associated protein 3 (CDK5RAP3, also named as C53 or LZAP) was initially identified as a binding protein of CDK5 activator p35. CDK5RAP3 is widely expressed in human tissues and broadly located in subcellular compartments. By interacting with other proteins, CDK5RAP3 participates in the regulation of multiple cellular processes including cell cycle, apoptosis, cell invasion, signaling transduction, autophagy, UFMylation and endoplasmic reticulum (ER) stress.

## Storage

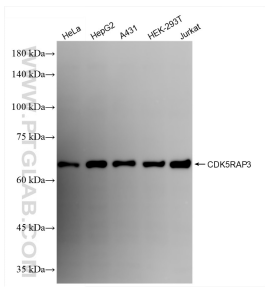
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

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

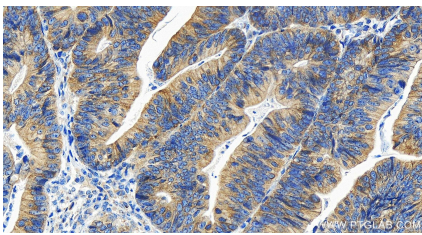
For technical support and original validation data for this product please contact:  
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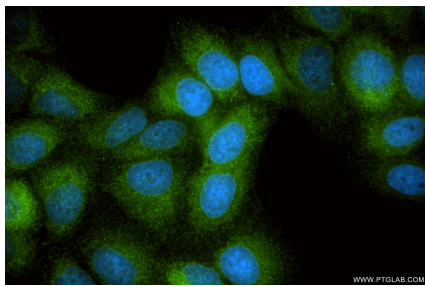
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86177-2-RR (CDK5RAP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 86177-2-RR (CDK5RAP3 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CDK5RAP3 antibody (86177-2-RR, Clone: 250801G11 ) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).