

For Research Use Only

CDK5RAP3 Recombinant monoclonal antibody

Catalog Number: 86177-2-RR



Basic Information

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

For technical support and original validation data for this product please contact:

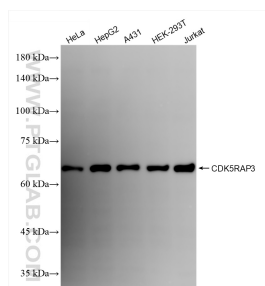
T: 4006900926

E: Proteintech-CN@ptglab.com

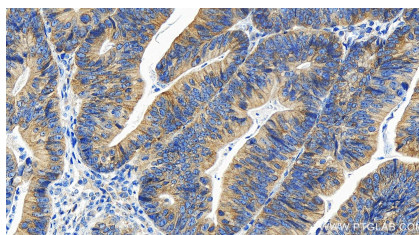
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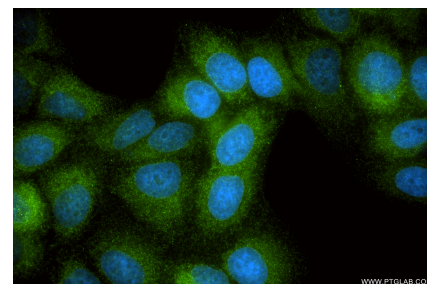
Selected Validation Data



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).