

For Research Use Only

CDK5RAP3 Polyclonal antibody

Catalog Number: 11007-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

11007-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1474

GenBank Accession Number:

BC009957

GeneID (NCBI):

80279

UNIPROT ID:

Q96JB5

Full Name:

CDK5 regulatory subunit associated protein 3

Calculated MW:

57 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, IF-P, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

bovine, mouse

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: A431 cells, HeLa cells, HEK-293 cells, HEK-293T cells, Jurkat cells

IHC: human stomach tissue, human pancreas tissue

IF: HepG2 cells, human liver tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yangyang Shen	33182370	Int J Mol Sci	WB

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

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

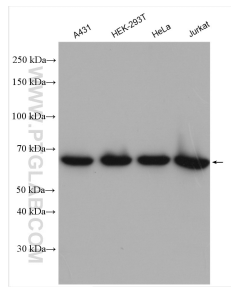
T: 4006900926

E: Proteintech-CN@ptglab.com

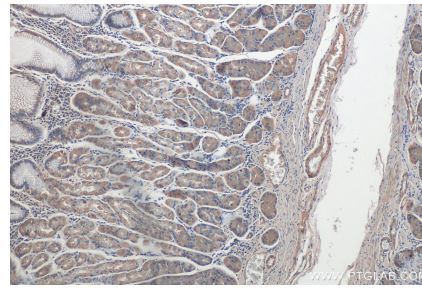
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

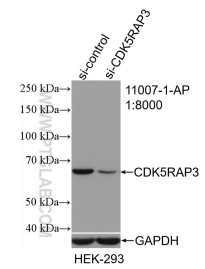
Selected Validation Data



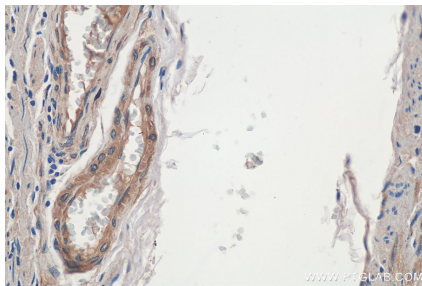
Various lysates were subjected to SDS PAGE followed by western blot with 11007-1-AP (CDK5RAP3 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



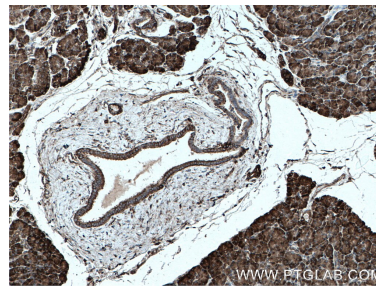
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11007-1-AP (CDK5RAP3 antibody) at dilution of 1:200 (under 10x lens).



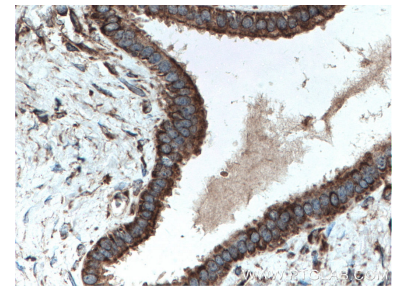
WB result of CDK5RAP3 antibody (11007-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CDK5RAP3 transfected HEK-293 cells.



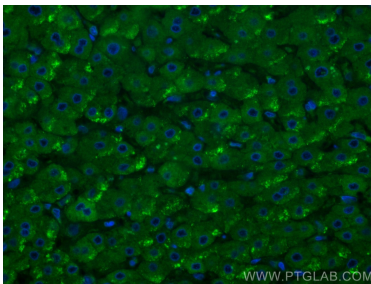
Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11007-1-AP (CDK5RAP3 antibody) at dilution of 1:200 (under 40x lens).



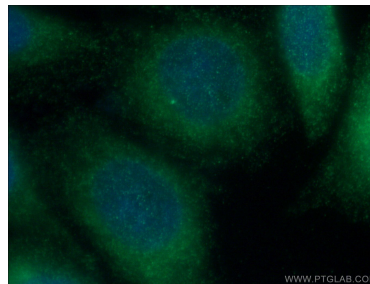
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 11007-1-AP (CDK5RAP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



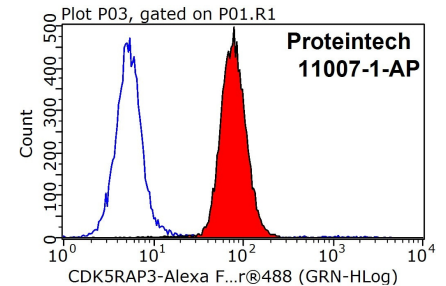
Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 11007-1-AP (CDK5RAP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using CDK5RAP3 antibody (11007-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11007-1-AP (CDK5RAP3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HepG2 cells were stained with 0.2ug CDK5RAP3 antibody (11007-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.