

For Research Use Only

SYNCRIP Polyclonal antibody

Catalog Number: 14024-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

14024-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5167

GenBank Accession Number:

BC032643

GeneID (NCBI):

10492

UNIPROT ID:

O60506

Full Name:

synaptotagmin binding, cytoplasmic RNA interacting protein

Calculated MW:

623 aa, 70 kDa

Observed MW:

64-74 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

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

IP : A431 cells,

IHC : human colon cancer tissue,

IF/ICC : A431 cells,

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

Background Information

Synaptotagmin-binding, cytoplasmic RNA-interacting protein (SYNCRIP), also identified as hnRNP Q, involves in mRNA processing mechanisms. It's component of the CRD-mediated complex that promotes MYC mRNA stability. Also it is part of the APOB mRNA editosome complex and may modulate the postranscriptional C to U RNA-editing of the APOB mRNA through either by binding to A1CF (APOBEC1 complementation factor), to APOBEC1 or to RNA itself. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. Interacts in vitro preferentially with poly(A) and poly(U) RNA sequences. As previously reported, the 65 and 74 kDa proteins corresponded to two isoforms of SYNCRIP produced from alternatively spliced mRNAs (PMID: 15340051).

Notable Publications

Author	Pubmed ID	Journal	Application
Evan P Booy	30247708	Nucleic Acids Res	WB,IP
Silvia Parisi	33504840	Sci Rep	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

*** 20ul sizes contain 0.1% BSA

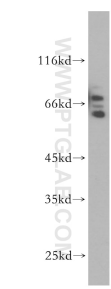
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

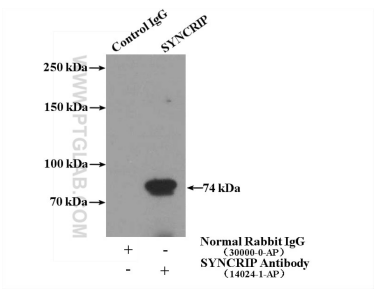
E: proteintech@ptglab.com
W: ptglab.com

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

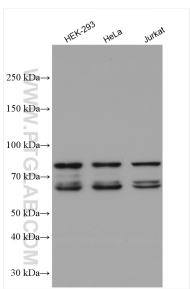
Selected Validation Data



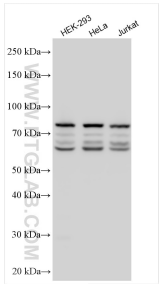
A431 cells were subjected to SDS PAGE followed by western blot with 14024-1-AP (SYNCRIP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



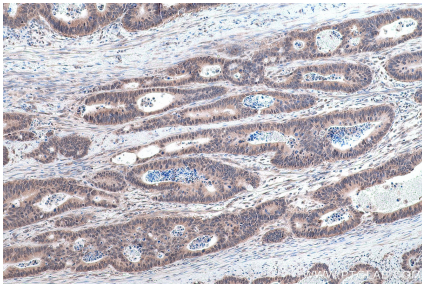
IP result of anti-SYNCRIP (IP:14024-1-AP, 4ug; Detection:14024-1-AP 1:500) with A431 cells lysate 1200ug.



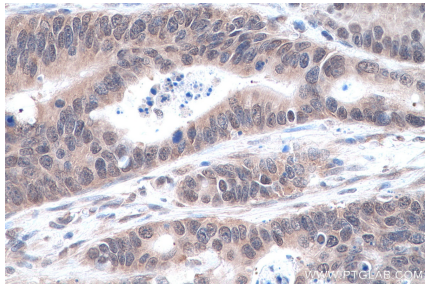
Various lysates were subjected to SDS PAGE followed by western blot with 14024-1-AP (SYNCRIP antibody) at dilution of 1:9000 incubated at room temperature for 1.5 hours.



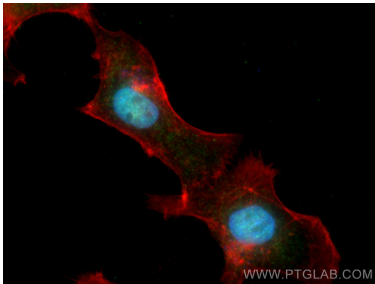
Various lysates were subjected to SDS PAGE followed by western blot with 14024-1-AP (SYNCRIP antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14024-1-AP (SYNCRIP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 14024-1-AP (SYNCRIP antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using SYNCRIP antibody (14024-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). DAPI (blue).