

For Research Use Only

STRN Polyclonal antibody

Catalog Number: 21624-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

21624-1-AP

Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15984

GenBank Accession Number:

BC106879

GeneID (NCBI):

6801

UNIPROT ID:

O43815

Full Name:

striatin, calmodulin binding protein

Calculated MW:

780 aa, 86 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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: A549 cells, rat brain tissue, NIH/3T3 cells, mouse brain tissue, HEK-293T cells, HeLa cells, Jurkat cells

IP: mouse brain tissue,

IHC: mouse brain tissue, human liver tissue

IF/ICC: HeLa cells,

Background Information

STRN (Striatin), a 780-amino acid protein, was identified and cloned more than a decade ago. In adult mammals, striatin is mainly expressed in neurons of both the central and peripheral nervous systems with very high levels of expression in the striatum, hence its name. STRN-ALK fusion may be a potential therapeutic target in the aggressive forms of thyroid cancer (PMID: 24475247).

Notable Publications

Author	Pubmed ID	Journal	Application
Daniel Meyer	36292701	Genes (Basel)	WB
Qian-Yu Du	32280692	Biomed Res Int	WB, IHC
Liping Chen	24962574	J Biol Chem	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

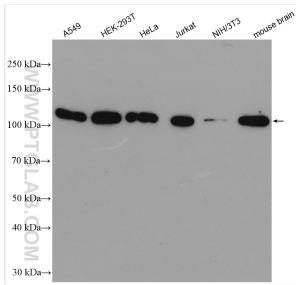
For technical support and original validation data for this product please contact:

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

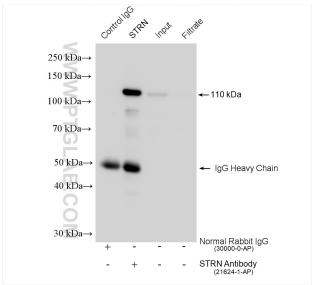
E: proteintech@ptglab.com
W: ptglab.com

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

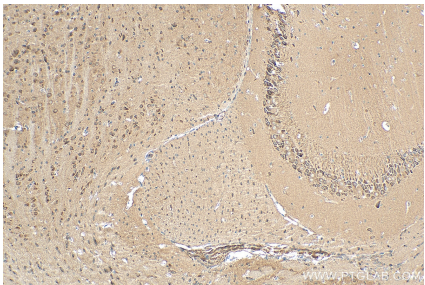
Selected Validation Data



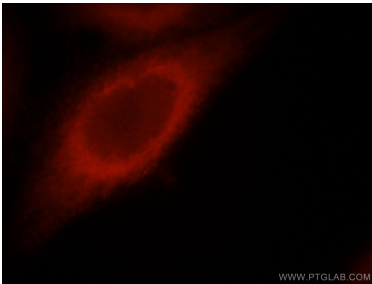
Various lysates were subjected to SDS PAGE followed by western blot with 21624-1-AP (STRN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



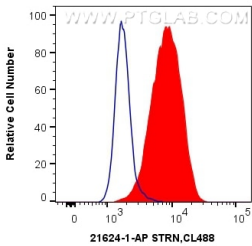
IP result of anti-STRN (IP:21624-1-AP, 4ug; Detection:21624-1-AP 1:4000) with mouse brain tissue lysate 1080 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21624-1-AP (STRN antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells, using STRN antibody 21624-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human STRN (21624-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).