

For Research Use Only

SRPK2 Polyclonal antibody

Catalog Number: 25417-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

25417-1-AP

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17885

GenBank Accession Number:

BC035214

GeneID (NCBI):

6733

UNIPROT ID:

P78362

Full Name:

SFRS protein kinase 2

Calculated MW:

688 aa, 78 kDa

Observed MW:

105-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells,

IP : HeLa cells,

IHC : mouse testis tissue, mouse brain tissue

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

SRPK2, also named as serine/arginine protein kinase 2 and SFRSK2, belongs to SR protein-specific kinase family which phosphorylate the serine/arginine domain containing proteins in the nuclear speckles to mediate pre-mRNA splicing (PMID: 22854045). In addition to its major role as kinase for the phosphorylation of SR proteins, SRPK2 is involved in cell cycle regulation and cell apoptosis (PMID: 19592491). SRPK2 promotes the proliferation and migration of the colon cancer cells. It has been reported to be regulated in several cancer types (PMID: 27041240). It has 2 isoforms with the calculated molecular mass of 77-79 kDa, and the apparent molecular mass of 105-115 kDa due to posttranslational modification (PMID: 12134018, 16122776).

Notable Publications

Author	Pubmed ID	Journal	Application
Guillaume Fonteneau	35674408	Cancer Discov	WB,IF

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

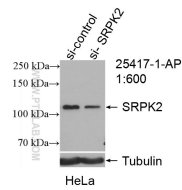
For technical support and original validation data for this product please contact:

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

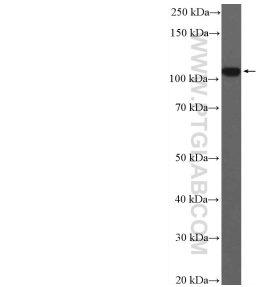
E: proteintech@ptglab.com
W: ptglab.com

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

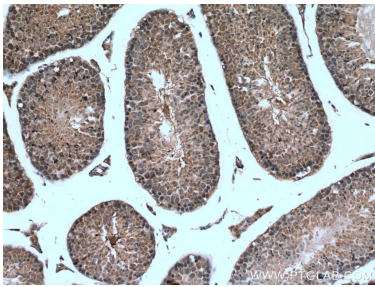
Selected Validation Data



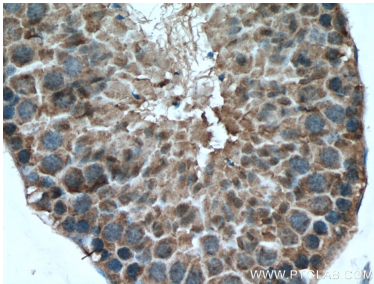
WB result of SRPK2 antibody (25417-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-SRPK2 transfected HeLa cells.



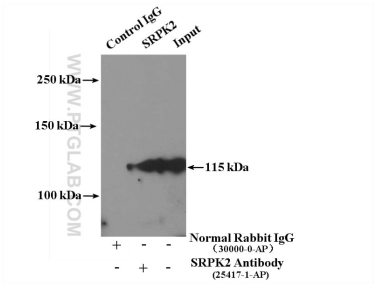
HeLa cells were subjected to SDS PAGE followed by western blot with 25417-1-AP (SRPK2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 25417-1-AP (SRPK2 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 mouse testis tissue slide using 25417-1-AP (SRPK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SRPK2 (IP:25417-1-AP, 4ug; Detection:25417-1-AP 1:300) with HeLa cells lysate 3200ug.