

For Research Use Only

SAP130 Polyclonal antibody

Catalog Number: 12130-1-AP

1 Publications



Basic Information

Catalog Number:

12130-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2774

GenBank Accession Number:

BC017453

GeneID (NCBI):

79595

UNIPROT ID:

Q9H0E3

Full Name:

Sin3A-associated protein, 130kDa

Calculated MW:

110 kDa

Observed MW:

130 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 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells, HepG2 cells, HeLa cells, Jurkat cells, K-562 cells

IP : HepG2 cells,

IHC : human pancreas cancer tissue,

IF/ICC : HepG2 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

SF3b is a U2 snRNP-associated protein complex essential for spliceosome assembly. SF3b contains the spliceosomal proteins SAP 49, SAP 130, SAP 145, and SAP 155. SAP 130, SAP 145, and SAP 155 are present in a protein complex and associate with one another. While SAP 155 and SAP 130 interact with each other (directly or indirectly) within this complex, SAP 49 and SAP 145 are known to interact directly with each other. Unexpectedly, the SAP 49-SAP 145 protein-protein interaction requires the amino-terminus of SAP 49, which contains two RNA-recognition motifs. The observation that SAP 49 and SAP 145 interact directly with both U2 snRNP and the pre-mRNA suggests that this protein complex plays a role in tethering U2 snRNP to the branch site.

Notable Publications

Author	Pubmed ID	Journal	Application
Chang-Han Chen	38172660	BMC Mol Cell Biol	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

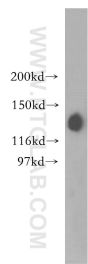
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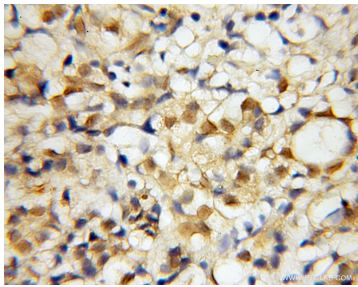
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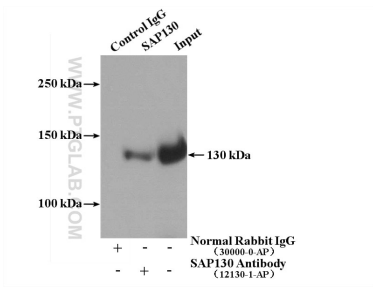
Selected Validation Data



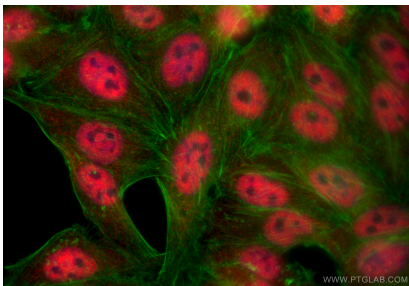
HEK-293 cells were subjected to SDS PAGE followed by western blot with 12130-1-AP (SAP130 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12130-1-AP (SAP130 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-SAP130 (IP:12130-1-AP, 4ug; Detection:12130-1-AP 1:600) with HepG2 cells lysate 1000ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SAP130 antibody (12130-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-phalloidin (green).