

For Research Use Only

SNRNP200 Polyclonal antibody

Catalog Number: 23875-1-AP

4 Publications



Basic Information

Catalog Number:

23875-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20748

GenBank Accession Number:

BC001417

GeneID (NCBI):

23020

UNIPROT ID:

O75643

Full Name:

small nuclear ribonucleoprotein 200kDa (U5)

Calculated MW:

494 aa, 57 kDa

Observed MW:

200-245 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, FC (Intra), IP, ELISA

Cited Applications:

WB, IP

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : HeLa cells, NIH/3T3 cells, HEK-293 cells, Jurkat cells

IP : HeLa cells,

IHC : human placenta tissue, mouse bladder tissue, mouse testis tissue, rat stomach 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

SNRNP200 (small nuclear ribonucleoprotein 200kDa (U5)), also known as HELIC2, ASCC3L1 or BRR2, is a 2,136 amino acid protein that localizes to the nucleus and contains two SEC63 domains, two helicase C-terminal domains and two helicase ATP-binding domains. Existing as multiple alternatively spliced isoforms, HELIC2 functions as an RNA helicase that is thought to promote specific RNA-RNA conformational changes which are important in the second step of RNA splicing. The gene encoding HELIC2 maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the chromosome 2-localized ABCA12 gene, while the lipid metabolic disorder sitosterolemia is associated with defects in the ABCG5 and ABCG8 genes, which also map to chromosome 2. The observed molecular weight of SNRNP200 is 200-245kd.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhe Chen	28878014	J Biol Chem	IP
Shuai Hou	31216022	Nucleic Acids Res	WB
Yalong Wang	38985674	Cell 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

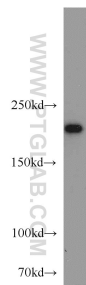
For technical support and original validation data for this product please contact:

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

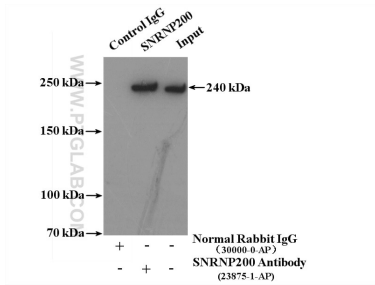
E: proteintech@ptglab.com
W: ptglab.com

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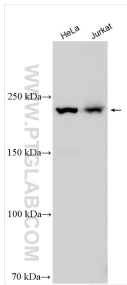
Selected Validation Data



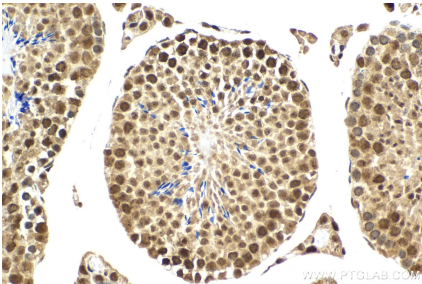
HeLa cells were subjected to SDS PAGE followed by western blot with 23875-1-AP (SNRNP200 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



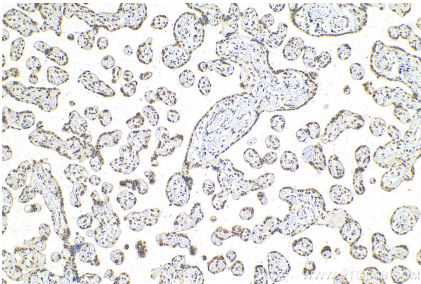
IP result of anti-SNRNP200 (IP:23875-1-AP, 4ug; Detection:23875-1-AP 1:1000) with HeLa cells lysate 4000ug.



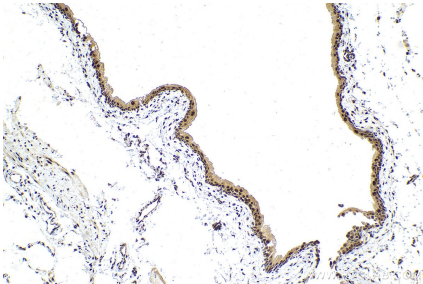
Various lysates were subjected to SDS PAGE followed by western blot with 23875-1-AP (SNRNP200 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



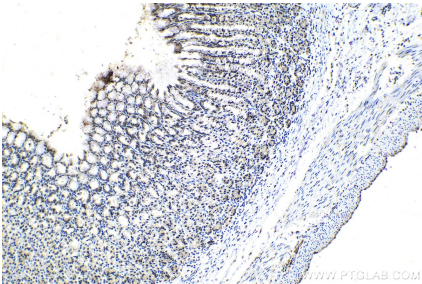
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 23875-1-AP (SNRNP200 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



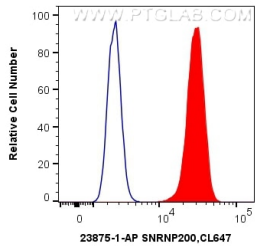
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 23875-1-AP (SNRNP200 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse bladder tissue slide using 23875-1-AP (SNRNP200 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 23875-1-AP (SNRNP200 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ A431 cells were intracellularly stained with 0.4 ug Anti-Human SNRNP200 (23875-1-AP) and CoraLite®647-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).