

For Research Use Only

PSMC3IP Polyclonal antibody

Catalog Number: 11339-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

11339-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1883

GenBank Accession Number:

BC008792

GeneID (NCBI):

29893

UNIPROT ID:

Q9P2W1

Full Name:

PSMC3 interacting protein

Calculated MW:

25 kDa

Observed MW:

24-29 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 1:400-1:1600

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : HEK-293 cells, K-562 cells, Jurkat cells

IP : Jurkat cells,

IHC : mouse testis tissue, rat testis tissue

IF/ICC : HepG2 cells,

Background Information

PSMC3IP, also called HOP2, encodes a protein that functions in meiotic recombination. It is a subunit of the PSMC3IP/MND1 complex, which interacts with PSMC3/TBP1 to stimulate DMC1- and RAD51-mediated strand exchange during meiosis. The protein encoded by this gene can also co-activate ligand-driven transcription mediated by estrogen, androgen, glucocorticoid, progesterone, and thyroid nuclear receptors. Mutations in this gene cause XX female gonadal dysgenesis.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|------------|-------------|
| Nam Woo Cho | 25259924 | Cell | WB |
| Chih-Ying Lee | 30622262 | Nat Commun | |
| Matthew Tsang | 30701021 | Oncotarget | 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

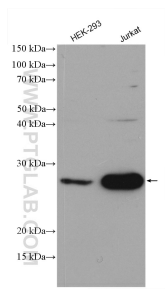
For technical support and original validation data for this product please contact:

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

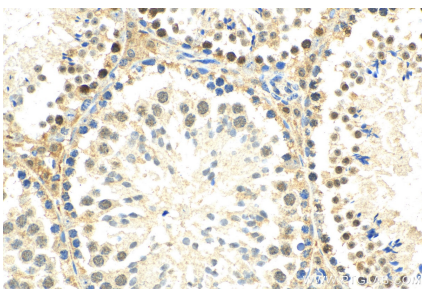
E: proteintech@ptglab.com
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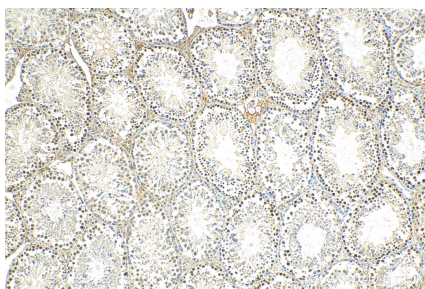
Selected Validation Data



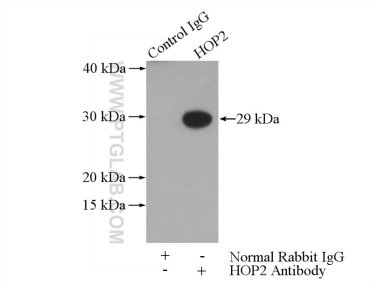
Various lysates were subjected to SDS PAGE followed by western blot with 11339-1-AP (HOP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



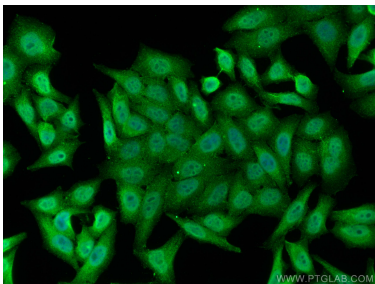
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11339-1-AP (HOP2 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11339-1-AP (HOP2 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-HOP2 (IP:11339-1-AP, 4ug; Detection:11339-1-AP 1:500) with Jurkat cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HOP2 antibody (11339-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).