

# HOP2 Polyclonal antibody

Catalog Number: 11339-1-AP

Featured Product

5 Publications

## Basic Information

## Catalog Number:

11339-1-AP

## Size:

700 µg/ml

## 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 kDa and 29 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:400-1:1600

IF 1:10-1:100

## Applications

## Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

## Cited Applications:

WB, IF

## Species Specificity:

human, rat, mouse

## 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 : 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

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

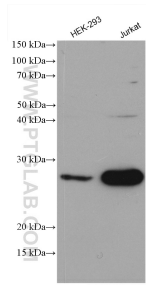
T: 4006900926

E: Proteintech-CN@ptglab.com

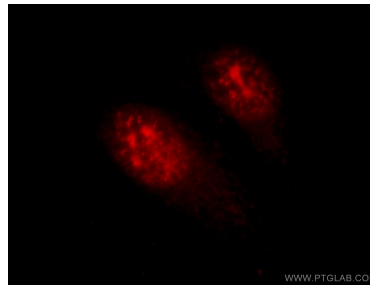
W: ptgcn.com

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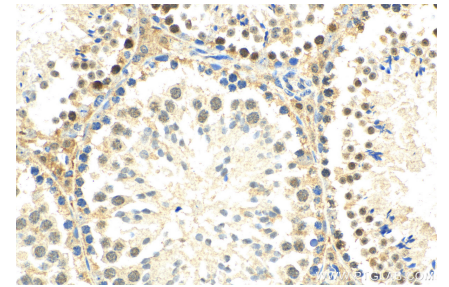
## Selected Validation Data



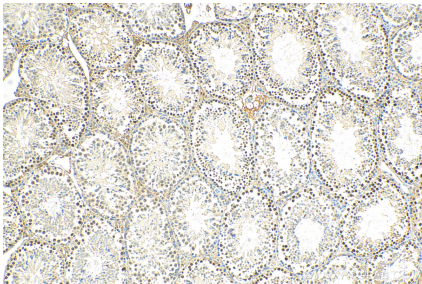
Various lysates were subjected to SDS PAGE followed by western blot with 11339-1-AP (HOP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



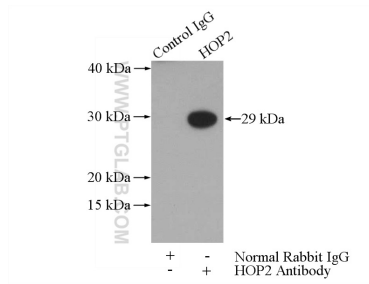
Immunofluorescent analysis of HepG2 cells, using PSMC3IP antibody 11339-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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.