

For Research Use Only

HOP2 Polyclonal antibody

Catalog Number: 11339-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 11339-1-AP	GenBank Accession Number: BC008792	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 29893	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: PSMC3 interacting protein	IHC 1:400-1:1600
Isotype: IgG	Calculated MW: 25 kDa	IF 1:10-1:100
Immunogen Catalog Number: AG1883	Observed MW: 24 kDa and 29 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, K-562 cells, Jurkat cells
Cited Applications: IF, WB	IP : Jurkat cells,
Species Specificity: human, rat, mouse	IHC : mouse testis tissue, rat testis tissue
Cited Species: human, mouse	IF : 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

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

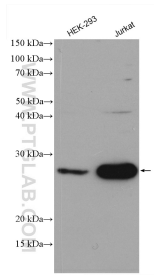
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

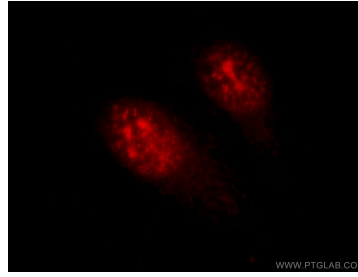
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

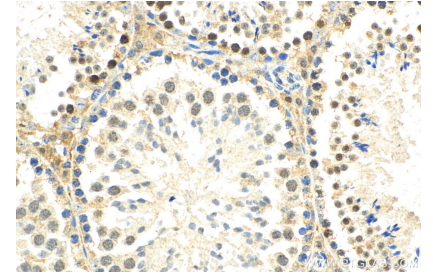
Selected Validation Data



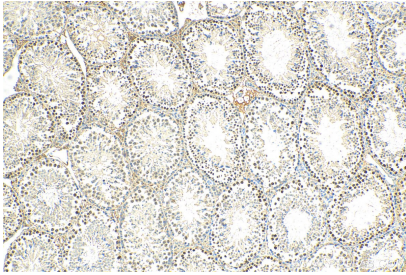
Various lysates were subjected to SDS PAGE followed by western blot with 11339-1-AP (HOP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



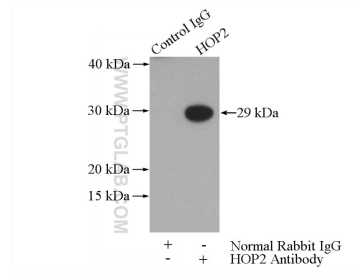
Immunofluorescent analysis of HepG2 cells, using PSMC3IP antibody 11339-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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.