

For Research Use Only

HOP2 Polyclonal ANTIBODY



Catalog Number: 11339-1-AP

Featured Product

3 Publications

Basic Information

Catalog Number:

11339-1-AP

Size:

mg/ml

Source:

Rabbit

Isotype:

IgG

Purification Method:

Antigen affinity purification

Immunogen Catalog Number:

AG1883

GenBank Accession Number:

BC008792

GeneID (NCBI):

29893

Full Name:

PSMC3 interacting protein

Calculated MW:

25 kDa

Observed MW:

24 kDa and 29 kDa

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for

WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : K-562 cells; Jurkat cells

IP : Jurkat cells;

IHC : human lung cancer 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)

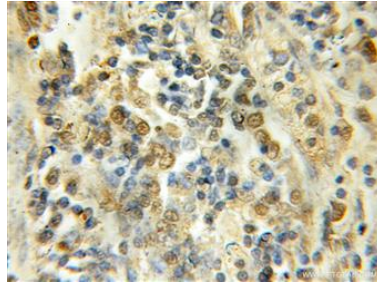
E: proteintech@ptglab.com
W: ptglab.com

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

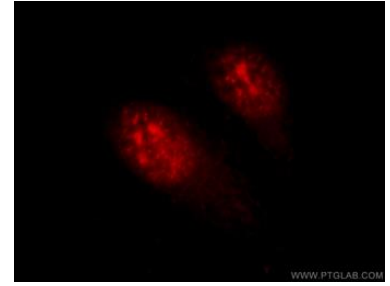
Selected Validation Data



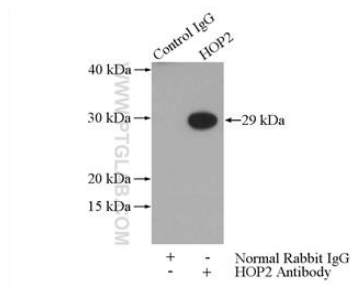
K-562 cells were subjected to SDS PAGE followed by western blot with 11339-1-AP(HOP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



Immunohistochemical of paraffin-embedded human lung cancer using 11339-1-AP(HOP2 antibody) at dilution of 1:50 (under 10x lens)



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



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