

PSMC3IP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57531

Specification

PSMC3IP Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	Q9P2W1
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24906

PSMC3IP Polyclonal Antibody - Additional Information

Gene ID 29893

Other Names

Homologous-pairing protein 2 homolog,
Nuclear receptor coactivator GT198,
PSMC3-interacting protein, Proteasome 26S
ATPase subunit 3-interacting protein,
Tat-binding protein 1-interacting protein,
TBP-1-interacting protein, PSMC3IP, HOP2,
TBPIP

Format

0.01M TBS(pH7.4) with 1% BSA, 0.09%
(W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated
freeze/thaw cycles. When reconstituted in
sterile pH 7.4 0.01M PBS or diluent of
antibody the antibody is stable for at least
two weeks at 2-4 °C.

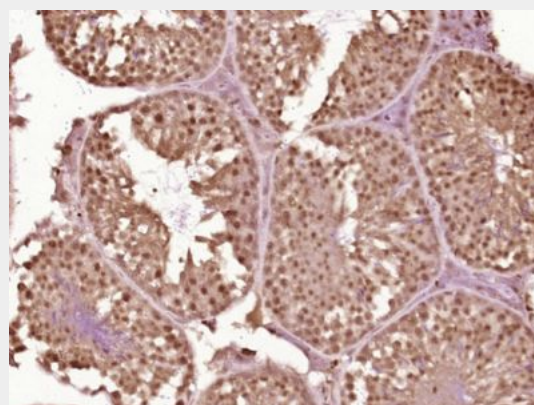
PSMC3IP Polyclonal Antibody - Protein Information

Name PSMC3IP

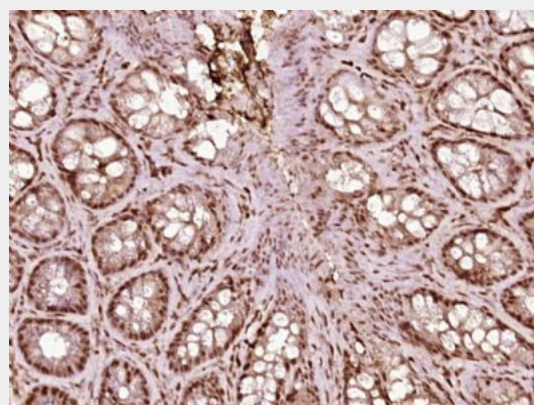
Synonyms HOP2, TBPIP

Function

Plays an important role in meiotic
recombination. Stimulates DMC1-mediated
strand exchange required for pairing



Paraformaldehyde-fixed, paraffin embedded
(Mouse testis); Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15min;
Block endogenous peroxidase by 3%
hydrogen peroxide for 20 minutes; Blocking
buffer (normal goat serum) at 37°C for
30min; Antibody incubation with (PSMC3IP)
Polyclonal Antibody, Unconjugated
(bs-19464R) at 1:400 overnight at 4°C,
followed by operating according to SP
Kit(Rabbit) (sp-0023) instructions and DAB
staining.



Paraformaldehyde-fixed, paraffin embedded
(Mouse colon); Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15min;
Block endogenous peroxidase by 3%
hydrogen peroxide for 20 minutes; Blocking
buffer (normal goat serum) at 37°C for
30min; Antibody incubation with (PSMC3IP)

homologous chromosomes during meiosis. The complex PSMC3IP/MND1 binds DNA, stimulates the recombinase activity of DMC1 as well as DMC1 D-loop formation from double-strand DNA. This complex stabilizes presynaptic RAD51 and DMC1 filaments formed on single strand DNA to capture double-strand DNA. This complex stimulates both synaptic and presynaptic critical steps in RAD51 and DMC1-promoted homologous pairing. May inhibit HIV-1 viral protein TAT activity and modulate the activity of proteasomes through association with PSMC3. Acts as a tissue specific coactivator of hormone-dependent transcription mediated by nuclear receptors.

Cellular Location

Nucleus.

Tissue Location

Highly expressed in testis and colon.

Polyclonal Antibody, Unconjugated (bs-19464R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PSMC3IP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)