

**PSMC3IP antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12819****Specification**

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**PSMC3IP antibody - middle region - Product Information**

Application	WB
Primary Accession	<a href="#">O9P2W1</a>
Other Accession	<a href="#">NM_016556</a> , <a href="#">NP_057640</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Goat, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

**PSMC3IP antibody - middle region - Additional Information****Gene ID** 29893**Alias Symbol** **GT198, HOP2, TBPIP, ODG3, HUMGT198A****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**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 100 ul of distilled water. Final anti-PSMC3IP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

PSMC3IP antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**PSMC3IP antibody - middle region - Protein Information****Name** PSMC3IP**Synonyms** HOP2, TBPIP**Function**

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

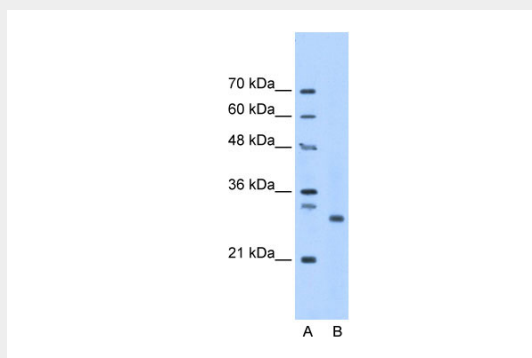
**Tissue Location**

Highly expressed in testis and colon.

**PSMC3IP antibody - middle region - 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](#)

**PSMC3IP antibody - middle region - Images**

WB Suggested Anti-PSMC3IP Antibody Titration: 1.25µg/ml  
Positive Control: HepG2 cell lysate

**PSMC3IP antibody - middle region - References**

Enomoto, R., (2006) J. Biol. Chem. 281(9), 5575-5581 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.