



## Rabbit Anti-PSMC3IP antibody

SL19464R

<b>Product Name:</b>	PSMC3IP
<b>Chinese Name:</b>	蛋白酶体26S亚基ATP酶3相互作用蛋白抗体
<b>Alias:</b>	26S protease regulatory subunit 6A; 26S proteasome AAA-ATPase subunit RPT5; Human immunodeficiency virus tat transactivator binding protein 1; MGC8487; Proteasome (prosome macropain) 26S subunit ATPase 3; Proteasome 26S ATPase subunit 3; Proteasome 26S subunit ATPase 3; Proteasome subunit P50; PRS6A_HUMAN; PSMC 3; PSMC3; Tat binding protein 1; TAT-binding protein 1; TBP-1; TBP1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	24kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PSMC3IP:1-100/217
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene 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. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2011]

**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.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Highly expressed in testis and colon.

**Post-translational modifications:**

PTM: Phosphorylated by PKA, PKC and MAPK.

**DISEASE:**

Ovarian dysgenesis 3 (ODG3) [MIM:614324]: A disorder characterized by lack of spontaneous pubertal development, primary amenorrhea, uterine hypoplasia, and hypergonadotropic hypogonadism as a result of streak gonads. Note=The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the HOP2 family.

**SWISS:**

Q9P2W1

**Gene ID:**

29893

**Database links:**

ntrez Gene: 29893 Human

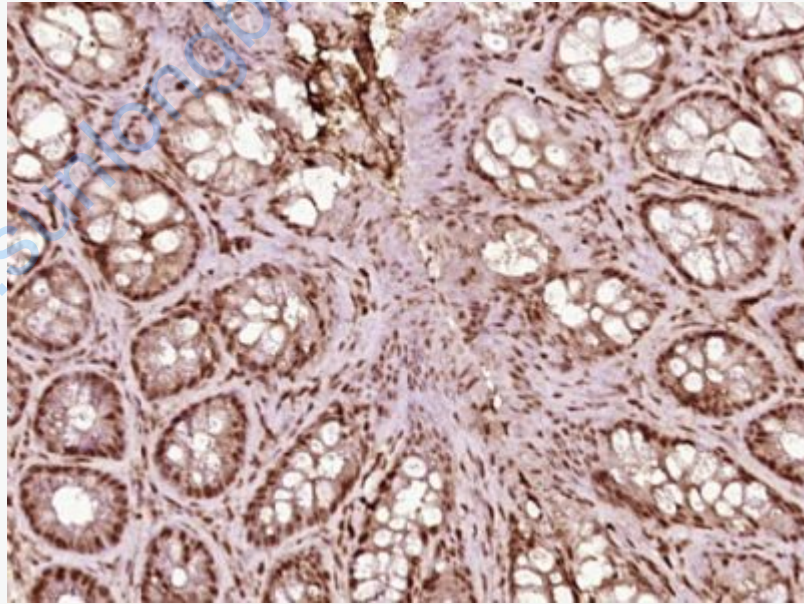
[Entrez Gene: 19183](#) Mouse

[Entrez Gene: 140938](#) Rat  
[Omin: 608665](#) Human  
[SwissProt: Q9P2W1](#) Human  
[SwissProt: O35047](#) Mouse  
[SwissProt: Q91ZY6](#) Rat  
[Unigene: 383019](#) Human  
[Unigene: 18344](#) Mouse  
[Unigene: 144650](#) Rat

**Important Note:**

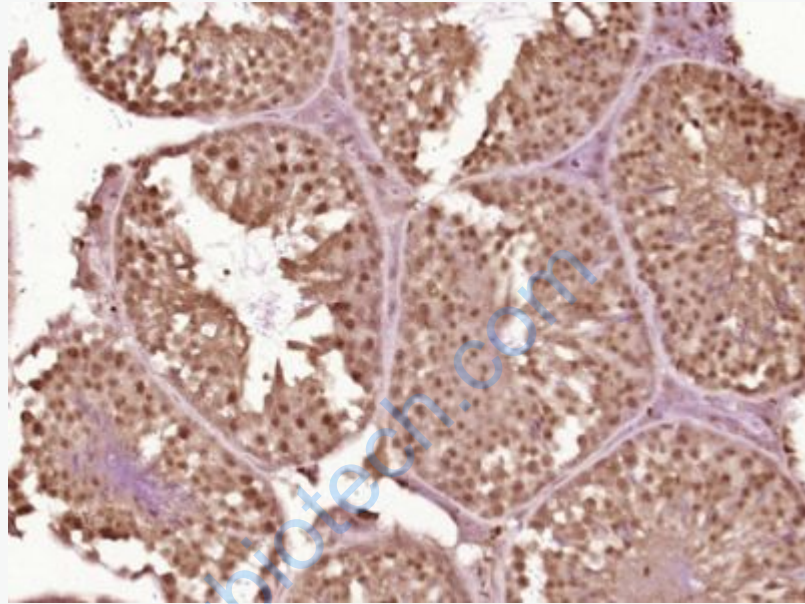
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**Picture:**



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) Polyclonal Antibody,

Unconjugated (SL19464R) 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 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 (SL19464R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.