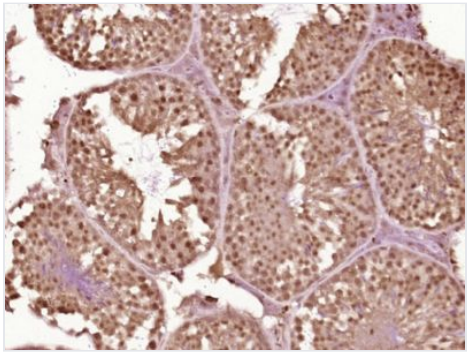
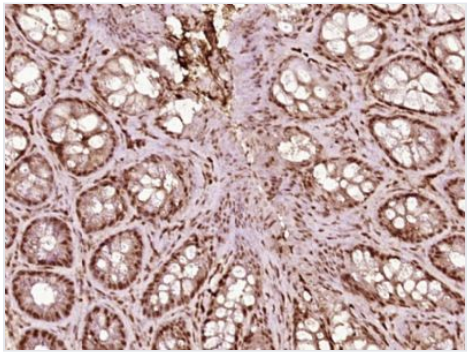
PSMC3IP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PSMC3IP, Polyclonal Antibody
Full Product Name	PSMC3IP Polyclonal Antibody
Product Gene Name	anti-PSMC3IP antibody
Product Synonym 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
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat, Dog
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	11,070 Da
OMIM	608665
3D Structure	ModBase 3D Structure for Q9P2W1
Applications Tested/Suitable for anti-PSMC3IP antibody	Immunohistochemistry-Paraffin (IHC-P), Immunohistochemistry-Frozen (IHC-F), Immunofluorescence (IF), Immunocytochemistry (ICC)
Related Product Information for anti-PSMC3IP antibody	MBS9237103 is an antibody targeting PSMC3IP. Also known as PSMC3IP Polyclonal Antibody. Reactive in Rat, Dog. Host: Rabbit.
Other Notes	Small volumes of anti-PSMC3IP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-PSMC3IP antibody
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 degree C for 30min; Antibody incubation with (PSMC3IP) Polyclonal Antibody, Unconjugated (bs-19464R) at 1:400 overnight at 4 degree C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Immunohistochemistry (IHC)-Paraffin of anti-PSMC3IP antibody
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 degree C for 30min; Antibody incubation with (PSMC3IP) Polyclonal Antibody, Unconjugated (bs-19464R) at 1:400 overnight at 4 degree C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMC3IP. It may not necessarily be applicable to this product.

NCBI GI #	7706577
NCBI GeneID	29893
NCBI Accession #	NP_057640
UniProt Primary Accession #	Q9P2W1
UniProt Secondary Accession #	Q14458; Q8WXG2; Q96HA2; C5ILB7
UniProt Related Accession #	Q9P2W1
GenBank Nucleotide #	NM_016556.3
NCBI Official Full Name	homologous-pairing protein 2 homolog isoform 2
NCBI Official Synonym Full Names	PSMC3 interacting protein
NCBI Official Symbol	PSMC3IP
NCBI Official Synonym Symbols	HOP2; ODG3; GT198; TBPIP; HUMGT198A
UniProt Protein Name	Homologous-pairing protein 2 homolog
UniProt Synonym Protein Names	Nuclear receptor coactivator GT198; PSMC3-interacting protein; Proteasome 26S ATPase subunit 3-interacting protein; Tat-binding protein 1-interacting protein; TBP-1-interacting protein
UniProt Gene Name	PSMC3IP
UniProt Synonym Gene Names	HOP2; TBPIP; TBP-1-interacting protein
UniProt Entry Name	HOP2_HUMAN
NCBI Protein Information	homologous-pairing protein 2 homolog
NCBI Summary for PSMC3IP	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]
UniProt Comments for PSMC3IP	PSMC3IP: 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. Defects in PSMC3IP are the cause of ovarian dysgenesis type 3 (ODG3). A disorder characterized by lack of spontaneous pubertal development, primary amenorrhea, uterine hypoplasia, and hypergonadotropic hypogonadism as a result of streak gonads. Belongs to the HOP2 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear receptor co-regulator Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: nucleus Molecular Function: DNA binding; ligand-dependent nuclear receptor transcription coactivator activity Biological Process: meiotic cell cycle; DNA recombination Disease: Ovarian Dysgenesis 3
Research Articles on PSMC3IP	**1.** PSMC3IP gene mutations are not common causes of primary ovarian insufficiency in this Swedish cohort.

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