

PSMC3IP antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI12819

Product Information

Application	WB
Primary Accession	Q9P2W1
Other Accession	NM_016556 , NP_057640
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Goat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24906

Additional Information

Gene ID	29893
Alias Symbol Other Names	GT198, HOP2, TBPIP, ODG3, HUMGT198A 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.

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.

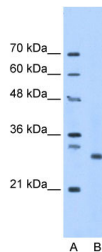
Tissue Location

Highly expressed in testis and colon.

References

Enomoto,R.,(2006)J.Biol.Chem.281(9),5575-5581ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto 1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.