10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PSMC5 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11376

Product Information

Application	WB, IHC, IP
Primary Accession	P62195
Other Accession	NM_002805, NP_002796
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine
Predicted	Human, Mouse, Zebrafish, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45626

Additional Information

Gene ID	5705
Alias Symbol	S8, p45, SUG1, SUG-1, TBP10, TRIP1, p45/SUG
Other Names	26S protease regulatory subunit 8, 26S proteasome AAA-ATPase subunit RPT6, Proteasome 26S subunit ATPase 5, Proteasome subunit p45, Thyroid hormone receptor-interacting protein 1, TRIP1, p45/SUG, PSMC5, SUG1
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-PSMC5 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	PSMC5 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PSMC5 (HGNC:9552)
Function	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins (PubMed:38776958, PubMed:41298377). This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMC5 belongs to the heterohexameric ring of AAA (ATPases associated with diverse cellular activities) proteins that unfolds ubiquitinated

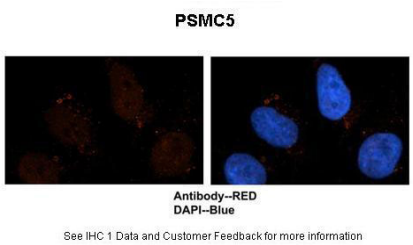
target proteins that are concurrently translocated into a proteolytic chamber and degraded into peptides.

Cellular Location Cytoplasm. Nucleus.

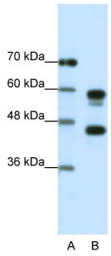
References

Inoue,T., et al., (2006) Biochem. Biophys. Res. Commun. 342 (3), 829-834Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



Sample Type : Human brain stem cells
Primary Antibody Dilution : 1:500
Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594
Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : PSMC5: Red DAPI:Blue
Gene Name : PSMC5 Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science



WB Suggested Anti-PSMC5 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate

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