10320 Camino Santa Fe, Suite G
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PSMC5 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11376

Specification

PSMC5 antibody - C-terminal region - Product Information

Application	**IHC, WB**
Primary Accession	P62195
Other Accession	NM_002805, NP_002796
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine**
Predicted	**Human, Mouse, Zebrafish, Chicken, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46kDa KDa**

PSMC5 antibody - C-terminal region - 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.

PSMC5 antibody - C-terminal region - Protein Information

Name PSMC5

Synonyms SUG1

Function
Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. 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.

PSMC5 antibody - C-terminal region - Protocols

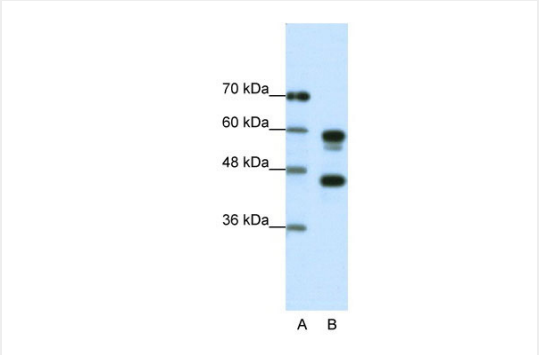
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PSMC5 antibody - C-terminal region - 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

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ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate

PSMC5 antibody - C-terminal region - 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.