

**PSMC3 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14257****Specification**

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**PSMC3 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">P17980</a>
Other Accession	<a href="#">NM_002804</a> , <a href="#">NP_002795</a>
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa kDa

**PSMC3 antibody - N-terminal region - Additional Information****Gene ID** 5702**Alias Symbol** **MGC8487, TBP1****Other Names**

26S protease regulatory subunit 6A, 26S proteasome AAA-ATPase subunit RPT5, Proteasome 26S subunit ATPase 3, Proteasome subunit P50, Tat-binding protein 1, TBP-1, PSMC3, TBP1

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-PSMC3 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**

PSMC3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**PSMC3 antibody - N-terminal region - Protein Information****Name** PSMC3**Synonyms** TBP1**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. PSMC3 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**

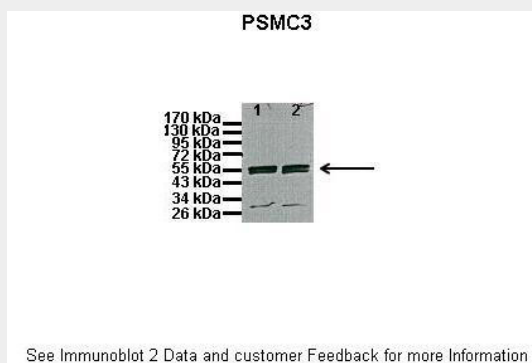
Cytoplasm. Nucleus. Note=Colocalizes with TRIM5 in the cytoplasmic bodies  
{ECO:0000250|UniProtKB:O88685}

#### **PSMC3 antibody - N-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 Cytometry](#)
- [Cell Culture](#)

#### **PSMC3 antibody - N-terminal region - Images**



Lanes: 1: 10ug proteasome fraction from C57B1/6J mouse brain, 2: 10ug proteasome fraction from BLAB/C mouse brain

Primary Antibody Dilution: 1:500

Secondary Antibody: Anti-rabbit HRP

Secondary Antibody Dilution: 1:5000

Gene Name: PSMC3

Submitted by: Dr. Scott Wilson, University of Alabama at Birmingham

#### **PSMC3 antibody - N-terminal region - References**

Ohana B.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:138-142(1993).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

Nelbock P.,et al.Science 248:1650-1653(1990).