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# PSMC3 Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP53364**

## Specification

### PSMC3 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P17980 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **49 KDa** |
| Antigen Region | **271-320** |

### PSMC3 Antibody - Additional Information

**Gene ID** 5702

**Dilution**
WB~~ 1:1000

**Format**
Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

**Storage**
Store at -20 °C.Stable for 12 months from date of receipt

### PSMC3 Antibody - 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}

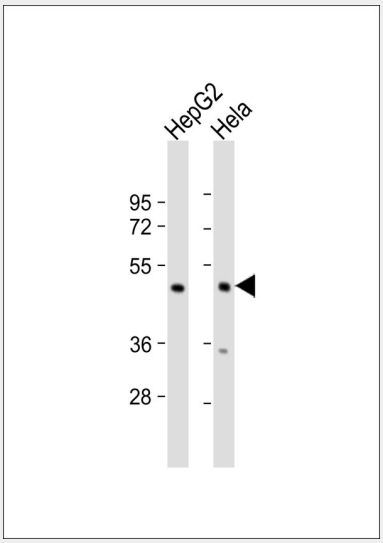
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## PSMC3 Antibody - Protocols

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

## PSMC3 Antibody - Images




All lanes : Anti-PSMC3 Antibody at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## PSMC3 Antibody - Background

The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex (By similarity). In case of HIV-1 infection, suppresses Tat-mediated transactivation.

## PSMC3 Antibody - 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).