

**Tbp7 Antibody**  
**Rabbit mAb**  
**Catalog # AP93167**

## Specification

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### Tbp7 Antibody - Product Information

Application	WB, ICC
Primary Accession	<a href="#">P43686</a>
Reactivity	Rat
Clonality	Monoclonal

**Other Names**

MIP224; PSMC4; RPT3; Tat binding protein 7; TBP 7;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	47366 Da

### Tbp7 Antibody - Additional Information

Dilution	WB~~1:1000 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Tbp7
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### Tbp7 Antibody - Protein Information

**Name** PSMC4

**Synonyms** MIP224, TBP7

**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. PSMC4 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.

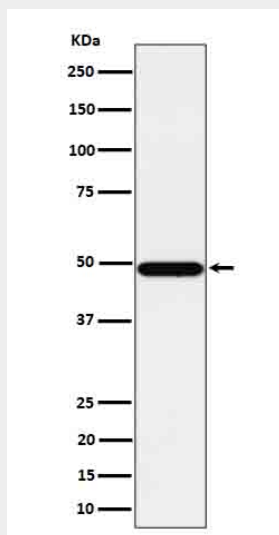
**Cellular Location**

Cytoplasm. Nucleus.

**Tbp7 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 Cytometry](#)
- [Cell Culture](#)

**Tbp7 Antibody - Images**

Western blot analysis of Tbp7 expression in HeLa cell lysate.