

PSMD14 Rabbit mAb
Catalog # AP78163**Specification**

PSMD14 Rabbit mAb - Product Information

Application	WB
Primary Accession	O00487
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	34577

PSMD14 Rabbit mAb - Additional Information**Gene ID** 10213**Other Names**
PSMD14**Dilution**
WB~~1/500-1/1000**Format**
Liquid**PSMD14 Rabbit mAb - Protein Information****Name** PSMD14**Synonyms** POH1**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. The PSMD14 subunit is a metalloprotease that specifically cleaves 'Lys-63'-linked polyubiquitin chains within the complex. Plays a role in response to double-strand breaks (DSBs): acts as a regulator of non-homologous end joining (NHEJ) by cleaving 'Lys-63'-linked polyubiquitin, thereby promoting retention of JMJD2A/KDM4A on chromatin and restricting TP53BP1 accumulation. Also involved in homologous recombination repair by promoting RAD51 loading.

Tissue Location

Widely expressed. Highest levels in heart and skeletal muscle.

PSMD14 Rabbit mAb - 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](#)

PSMD14 Rabbit mAb - Images

