

PSMB4 (aa230-239) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3314a

Specification

PSMB4 (aa230-239) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P28070
Other Accession	NP_002787.2 , 5692 , 19172 (mouse) , 58854 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Rabbit, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	29204

PSMB4 (aa230-239) Antibody (internal region) - Additional Information

Gene ID 5692

Other Names

Proteasome subunit beta type-4, 3.4.25.1, 26 kDa prosomal protein, HsBPROS26, PROS-26, Macropain beta chain, Multicatalytic endopeptidase complex beta chain, Proteasome beta chain, Proteasome chain 3, HsN3, PSMB4, PROS26

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PSMB4 (aa230-239) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PSMB4 (aa230-239) Antibody (internal region) - Protein Information

Name PSMB4

Synonyms PROS26

Function

Non-catalytic component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the

cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1.

Cellular Location

Cytoplasm. Nucleus. Note=Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2, which bridges the proteasome with the nuclear import receptor IPO9

PSMB4 (aa230-239) Antibody (internal region) - Protocols

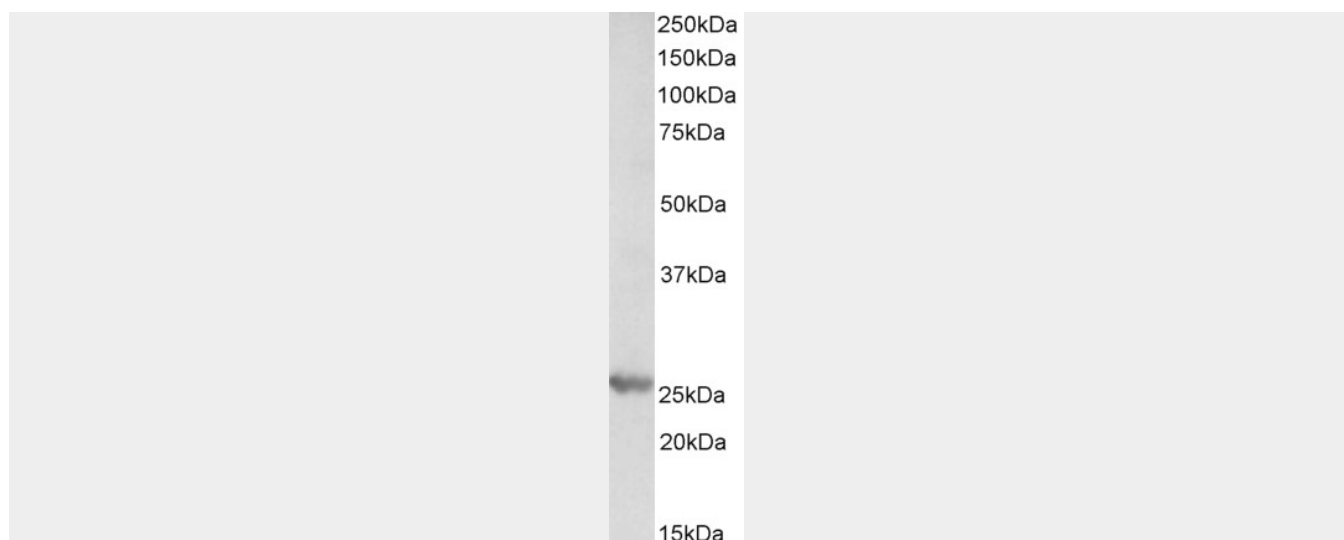
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PSMB4 (aa230-239) Antibody (internal region) - Images



AF3314a (0.1 µg/ml) staining of HEK293 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3314a (0.3 µg/ml) staining of Mouse Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

PSMB4 (aa230-239) Antibody (internal region) - References

Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, Kato K, Yokoi K, Oguri M, Watanabe S, Metoki N, Yoshida H, Satoh K, Aoyagi Y, Nozawa Y, Yamada Y, International journal of molecular medicine 2010 Apr 25 (4): 649-56. PMID: 20198315