

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

Peptide-affinity purified goat antibody Catalog # AF3314a

### **Specification**

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

Application WB, E
Primary Accession P28070

Other Accession NP 002787.2, 5692, 19172 (mouse), 58854

<u>(rat)</u>

Reactivity Human, Mouse, Rat

Predicted Rabbit, Dog

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

### **Dilution**

WB~~1:1000 E~~N/A

### **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 (HGNC:9541)

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**

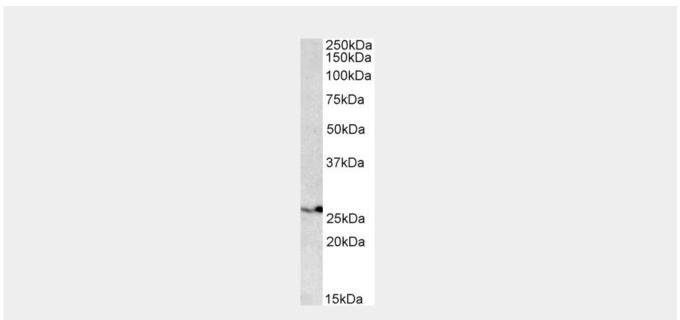
Cytoplasm. Nucleus. Note=Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2, which bridges the proteasome with the nuclear import receptor IPO9

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

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

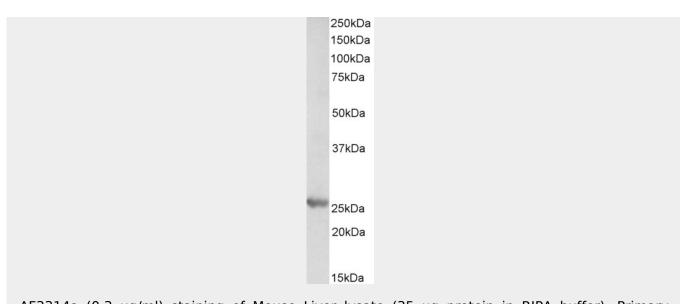
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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



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





AF3314a (0.3  $\mu$ g/ml) staining of Mouse Liver lysate (35  $\mu$ g 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