

Human PSMD11 antibody

Catalog Number: ATGA0153

PRODUCT INFORMATION

Catalog number

ATGA0153

Clone No.

AT1F4

Product type

Monoclonal Antibody

UnitProt No.

O00231

NCBI Accession No.

NP_002806

Alternative Names

proteasome (prosome, macropain) 26S subunit non-ATPase 11, S9, p44.5, MGC3844, Rpn6

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human PSMD11 (1-422aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

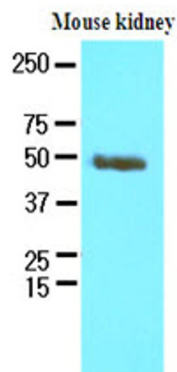
PSMD11 (Proteasome 26S non-ATPase subunit 11), also known as S9, Rpn6 or p44. 5, has multi-subunit protease complexes consisting of 20S subunits composed of four seven-numbered rings with two outer rings containing alpha subunits and two central rings composed of beta subunits, and 19S caps of 6 ATPase and 11 non-ATPase subunits. PSMD11 is the main proteolytic enzyme that functions in ATP-dependent degradation of ubiquitinated proteins.

General References

Sato Y, et al., (2009) *Biochem Biophys Res Commun.* 378(4):795-8.
Shibahara T, et al., (2002) *Eur J Biochem.* 269(5):1474-83.

DATA

Western blot analysis (WB)



The tissue lysate of mouse kidney (60ug) was resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PSMD11 (1:250). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system