

PSMD7 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP2916a

Product Information

Application WB, IHC-P, FC, E

Primary Accession P51665

Other Accession P26516, Q3ZBD0

Reactivity Human

Predicted Bovine, Mouse

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB20857Calculated MW37025Antigen Region6-34

Additional Information

Gene ID 5713

Other Names 26S proteasome non-ATPase regulatory subunit 7, 26S proteasome regulatory

subunit RPN8, 26S proteasome regulatory subunit S12, Mov34 protein

homolog, Proteasome subunit p40, PSMD7, MOV34L

Target/Specificity This PSMD7 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 6-34 amino acids from the N-terminal

region of human PSMD7.

Dilution WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent

concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation

followed by dialysis against PBS.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions PSMD7 Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name PSMD7

Synonyms

MOV34L

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.

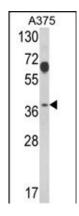
Background

PSMD7 acts as a regulatory subunit of the 26S proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.

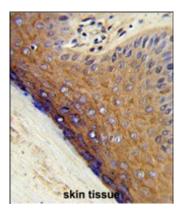
References

Dastani, Z., et.al., Eur. J. Hum. Genet. (2009) In press Sanches, M., et.al., J. Mol. Biol. 370 (5), 846-855 (2007)

Images

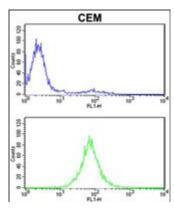


Western blot analysis of PSMD7 Antibody (N-term) (Cat. #AP2916a) in A375 cell line lysates (35ug/lane). PSMD7 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human skin tissue reacted with PSMD7 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

PSMD7 Antibody (N-term) (Cat. #AP2916a) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.