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Human Gankyrin/PSMD10 antibody

Catalog Number: ATGA0386

PRODUCT INFORMATION

Catalog number

ATGA0386

Clone No.

AT1F4

Product type

Monoclonal Antibody

UnitProt No.

075832

NCBI Accession No.

NP 002805

Alternative Names

proteasome 26S subunit non ATPase 10 (PSMD10) isoform 1, ankyrin repeat protein p28, Gankyrin, 26S proteasome non-ATPase regulatory subunit 10, 26S proteasome regulatory subunit p28, PSMD10.

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 PSMD10 (1-226aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

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



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Storage

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

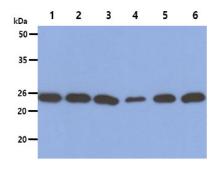
26S proteasome non-ATPase regulatory subunit 10 is an enzyme that in humans is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides.

General References

Hori T., et al. (1998) Gene. 216(1): 113-122. Kaneko T., et al. (2009) Cell. 137: 914-925. Wang J., et al. (2009) Cytogenet Genome Res. 125: 87-97.

DATA

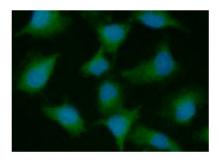
Western blot analysis (WB)



The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PSMD10 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: A549 cell lysate Lane 2.: PC3 cell lysate Lane 3.: K562 cell lysate Lane 4.: HepG2 cell lysate Lane 5.: HeLa cell lysate Lane 6.: Jurkat cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of PSMD10 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PSMD10 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

