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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**

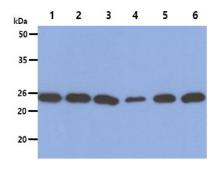
26S proteasome non-ATPase regulatory subunit 10 is an enzyme that in humans is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides 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**

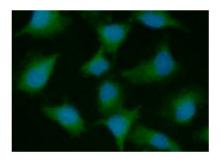
## Western blot analysis (WB)



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).

