

PSMD10 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20569a

Specification

PSMD10 Antibody (Center) - Product Information

Application	WB, IHC-P, IF,E
Primary Accession	O75832 , O9Z2X2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

PSMD10 Antibody (Center) - Additional Information

Other Names

26S proteasome non-ATPase regulatory subunit 10, 26S proteasome regulatory subunit p28, Gankyrin, p28(GANK), PSMD10

Target/Specificity

This PSMD10 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 43-76 amino acids from the Central region of human PSMD10.

Dilution

WB~~1:1000
IHC-P~~1:25
IF~~1:25
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

PSMD10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

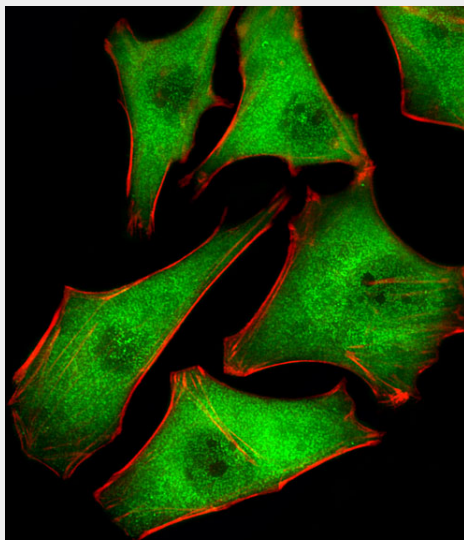
PSMD10 Antibody (Center) - Protein Information

PSMD10 Antibody (Center) - Protocols

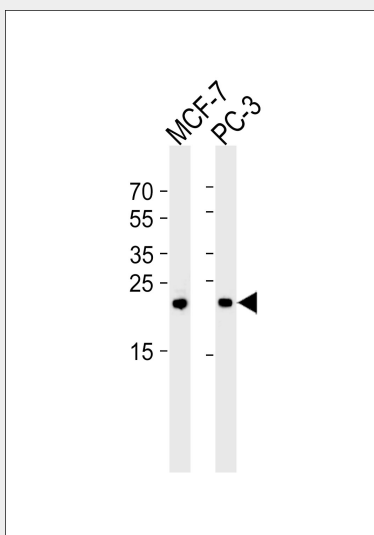
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

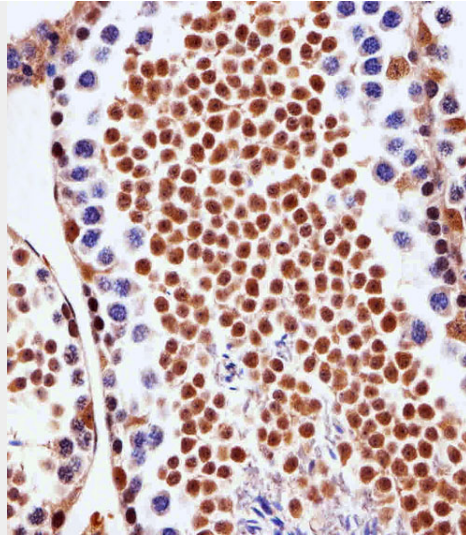
PSMD10 Antibody (Center) - Images



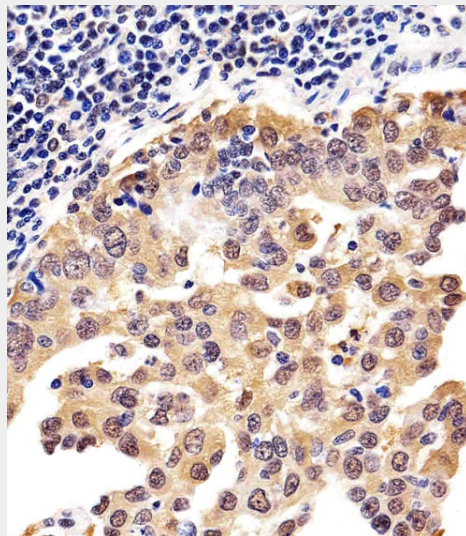
Fluorescent image of HeLa cells stained with PSMD10 Antibody (Center) (Cat#AP20569a). AP20569a was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



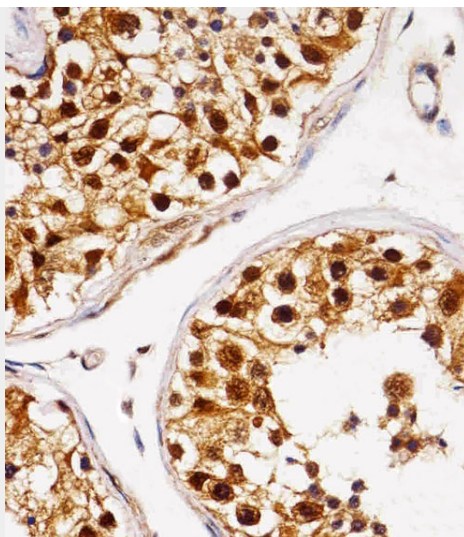
Western blot analysis of lysates from MCF-7, PC-3 cell line (from left to right), using PSMD10 Antibody (Center) (Cat. #AP20569a). AP20569a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug at each lane.



Immunohistochemical analysis of paraffin-embedded mouse testis section using PSMD10 Antibody (Center) (Cat#AP20569a). AP20569a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung adenocarcinoma section using PSMD10 Antibody (Center) (Cat#AP20569a). AP20569a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded human testis section using PSMD10 Antibody (Center) (Cat#AP20569). AP20569a was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

PSMD10 Antibody (Center) - Background

Acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module. Independently of the proteasome, regulates EGF-induced AKT activation through inhibition of the RHOA/ROCK/PTEN pathway, leading to prolonged AKT activation. Plays an important role in RAS-induced tumorigenesis.

PSMD10 Antibody (Center) - References

Hori T., et al. Gene 216:113-122(1998).
Higashitsuji H., et al. Submitted (JAN-1996) to the EMBL/GenBank/DDBJ databases.
Wang H., et al. Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Kalnina N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.