

**PSMD10 Blocking Peptide (Center)**

Synthetic peptide

Catalog # BP20569a

**Specification**

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**PSMD10 Blocking Peptide (Center) - Product Information**

Primary Accession

[O75832](#)

Other Accession

[Q9Z2X2](#)**PSMD10 Blocking Peptide (Center) - Additional Information****Gene ID** 5716**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence is selected from aa 63-76 of HUMAN PSMD10

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PSMD10 Blocking Peptide (Center) - Protein Information****Name** PSMD10**Function**

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.

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Tends to be up-regulated in cancer cells with RAS mutations, including lung cancers and adenocarcinomas (at protein level).

## **PSMD10 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **PSMD10 Blocking Peptide (Center) - Images**

## **PSMD10 Blocking Peptide (Center) - Background**

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## **PSMD10 Blocking Peptide (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).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.