

**PASD1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19356c****Specification**

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**PASD1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8IV76](#)**PASD1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 139135**Other Names**

PAS domain-containing protein 1, Cancer/testis antigen 63, CT63, OX-TES-1, PASD1

**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.

**PASD1 Antibody (Center) Blocking Peptide - Protein Information****Name** PASD1 ([HGNC:20686](#))**Function**

Functions as a suppressor of the biological clock that drives the daily circadian rhythms of cells throughout the body (PubMed:<a href="http://www.uniprot.org/citations/25936801" target="\_blank">25936801</a>). Acts as a nuclear repressor of the CLOCK-BMAL1 heterodimer-mediated transcriptional activation of the core clock components (PubMed:<a href="http://www.uniprot.org/citations/25936801" target="\_blank">25936801</a>). Inhibits circadian clock function in cancer cells, when overexpressed (PubMed:<a href="http://www.uniprot.org/citations/25936801" target="\_blank">25936801</a>).

**Cellular Location**

[Isoform 1]: Nucleus. Note=Associates preferentially at the periphery of the nucleus with heterochromatin (PubMed:25936801)

**Tissue Location**

Testis-specific (PubMed:25936801). Expressed in a broad range of cancer cells, including melanoma, lung cancer, and breast cancer (at protein level). Testis-specific (PubMed:15162151) Found in histologically normal tissues from patients with uterus, lung and small intestine cancers. Widespread expression seen in solid tumors and diffuse large B-cell lymphoma (DLBCL)-derived cell lines. Isoform 2 is expressed in all DLBCL-derived cell lines, while isoform 1 is preferentially

expressed in cell lines derived from non-germinal center DLBCL (PubMed:15162151).

### **PASD1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **PASD1 Antibody (Center) Blocking Peptide - Images**

### **PASD1 Antibody (Center) Blocking Peptide - Background**

This gene encodes a protein that is thought to function as a transcription factor. The protein is a cancer-associated antigen that can stimulate autologous T-cell responses, and it is therefore considered to be a potential immunotherapeutic target for the treatment of various hematopoietic malignancies, including diffuse large B-cell lymphoma.

### **PASD1 Antibody (Center) Blocking Peptide - References**

Ghafouri-Fard, S., et al. Br. J. Dermatol. 162(4):772-779(2010) Ait-Tahar, K., et al. Br. J. Haematol. 146(4):396-407(2009) Sahota, S.S., et al. Blood 108(12):3953-3955(2006) Cooper, C.D., et al. Leukemia 20(12):2172-2174(2006) Guinn, B.A., et al. Biochem. Biophys. Res. Commun. 335(4):1293-1304(2005)