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PASD1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP19356c

Specification

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:25936801). Acts as a nuclear repressor of the CLOCK-BMAL1 heterodimer-mediated transcriptional activation of the core clock components (PubMed:25936801). Inhibits circadian clock function in cancer cells, when overexpressed (PubMed:25936801).

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 asa transcription factor. The protein is a cancer-associated antigenthat can stimulate autologous T-cell responses, and it is thereforeconsidered to be a potential immunotherapeutic target for thetreatment of various hematopoietic malignancies, including diffuselarge 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)