

## PASD1/CT63 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57703

### **Specification**

## PASD1/CT63 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession

Host

Clonality

Calculated MW

Physical State

Q8IV76

Rabbit

Polyclonal

70 KDa

Liquid

Immunogen KLH conjugated synthetic peptide derived

from human PASD1/CT63

Epitope Specificity 1-100/773

lsotype IgG

Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus.

SIMILARITY Contains 1 PAS (PER-ARNT-SIM) domain.
Important Note This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

### **Background Descriptions**

affinity purified by Protein A

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. [provided by RefSeq, May 2010]

# PASD1/CT63 Polyclonal Antibody - Additional Information

## **Gene ID 139135**

#### **Other Names**

Circadian clock protein PASD1, Cancer/testis antigen 63, CT63, OX-TES-1, PAS domain-containing protein 1 {ECO:0000303|PubMed:15162151, ECO:0000312|HGNC:HGNC:20686}, PASD1 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=20686" target="\_blank">HGNC:20686</a>)

### Target/Specificity

Testis-specific. 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.

#### **Dilution**



<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span>

### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

# PASD1/CT63 Polyclonal Antibody - 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).

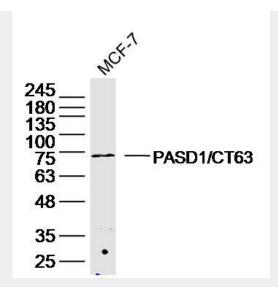
# PASD1/CT63 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### PASD1/CT63 Polyclonal Antibody - Images





Sample: MCF-7 Cell (Human) Lysate at 40 ug

Primary: Anti-PASD1/CT63 (bs-19895R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 70 kD Observed band size: 73 kD