

PASD1/CT63 Rabbit pAb

PASD1/CT63 Rabbit pAb Catalog # AP57703

Product Information

Application WB
Primary Accession Q8IV76
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 87428
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human PASD1/CT63

Epitope Specificity 1-100/773 **Isotype** IgG

Purity affinity purified by Protein A

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 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]

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 (HGNC:20686)

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 WB=1:500-2000

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

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:<u>25936801</u>). Acts as a nuclear repressor of the CLOCK-BMAL1 heterodimer-mediated transcriptional

activation of the core clock components (PubMed: <u>25936801</u>). 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

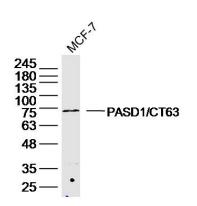
cells, including melanoma, lung cancer, and breast cancer (at protein level). Testis-specific (PubMed:15162151) Found in histologically normal tissues from patients with uterus, lung and small intestine cancers. Widespread expression seen in solid tumors and diffuse large B-cell lymphoma (DLBCL)-derived 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

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Images



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

Primary: Anti-PASD1/CT63 (AP57703) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000

dilution

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.