

PASD1/CT63 Rabbit pAb

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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

is stable for at least two weeks at 2-4 °C.

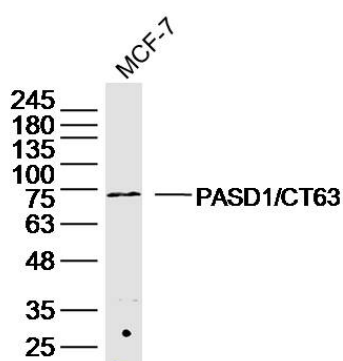
Protein Information

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).

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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'.