PASD1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PASD1, Polyclonal Antibody
Full Product Name	PASD1 Antibody, HRP conjugated
Product Gene Name	anti-PASD1 antibody
Product Synonym Names	Circadian clock protein PASD1Curated; PASD1; Cancer/testis antigen 631
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	>95%, Protein G Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: PASD1 (MBS1493733) HRP Conjugated Antibody: PASD1 (MBS1493044)
Molecular Weight	72,738 Da
3D Structure	ModBase 3D Structure for Q8IV76
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	HRP
Immunogen	Recombinant human Circadian clock protein PASD1 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-138504
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PASD1 antibody	ELISA (EIA)
Related Product Information for anti-PASD1 antibody	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-ARNTL/BMAL1 heterodimer-mediated transcriptional activation of the core clock components (PubMed:25936801). Inhibits circadian clock function in cancer cells, when overexpressed (PubMed:25936801).
Other Notes	Small volumes of anti-PASD1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PASD1 purchase	MBS1493044 is an antibody targeting PASD1. Also known as PASD1 Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PASD1. It may not necessarily be applicable to this product.

NCBI GI #	157785548
NCBI GeneID	139135

NCBI Accession #	NP_775764.2
UniProt Primary Accession #	Q8IV76
UniProt Secondary Accession #	Q3MNE0; Q69HD7; Q8N7X9
UniProt Related Accession #	Q8IV76
GenBank Nucleotide #	NM_173493.2
NCBI Official Full Name	circadian clock protein PASD1
NCBI Official Synonym Full Names	PAS domain containing 1
NCBI Official Symbol	PASD1
NCBI Official Synonym Symbols	CT63; OXTES1
UniProt Protein Name	Circadian clock protein PASD1
UniProt Synonym Protein Names	Cancer/testis antigen 63
Protein Family	Circadian clock protein
UniProt Gene Name	PASD1
UniProt Synonym Gene Names	CT63
UniProt Entry Name	PASD1_HUMAN
NCBI Protein Information	circadian clock protein PASD1
NCBI Summary for PASD1	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]
UniProt Comments for PASD1	PASD1: May function as a transcription factor. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cancer Testis Antigen (CTA) Chromosomal Location of Human Ortholog: Xq28 Cellular Component: nucleoplasm; nucleus Biological Process: negative regulation of circadian rhythm; negative regulation of transcription, DNA-dependent; rhythmic process
Research Articles on PASD1	**1.** PASD1 is a circadian bHLH-PAS paralog repressor of CLOCK protein expression.
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