

Product datasheet for **TA342232**

PDE1C Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PDE1C antibody: synthetic peptide directed towards the middle region of human PDE1C. Synthetic peptide located within the following region: IDFIVEPTFTVLDMTEKIVSPLIDETSQTGGTGQRRSSLNSISSSDAKR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72 kDa
Gene Name:	phosphodiesterase 1C
Database Link:	NP_005011 Entrez Gene 5137 Human Q14123



[View online »](#)

Background:

Cyclic nucleotide phosphodiesterases (PDEs) catalyze hydrolysis of the cyclic nucleotides cAMP and cGMP to the corresponding nucleoside 5-prime-monophosphates. Mammalian PDEs have been classified into several families based on their biochemical properties. Members of the PDE1 family, such as PDE1C, are calmodulin (see MIM 114180)-dependent PDEs (CaM-PDEs) that are stimulated by a calcium-calmodulin complex (Repaske et al., 1992 [PubMed 1326532]). [supplied by OMIM, Oct 2009]. Transcript Variant: This variant (1) differs in the 5' and 3' UTR and has multiple coding region differences, compared to variant 3. These differences result in an isoform (1) with distinct N- and C-termini, compared to isoform 3. Variants 1 and 4 encode the same protein. Isoform 1 is also known as HCam-3B. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Gene record to access additional publications. ##Evidence-Data-START## Transcript exon combination :: BC022479.1 [ECO:0000332] RNAseq introns :: mixed/partial sample support ERS025081, ERS025082 [ECO:0000350] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

Synonyms:

cam-PDE 1C; hCam-3; Hcam3

Note:

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Dog: 93%; Rabbit: 93%; Horse: 92%; Guinea pig: 92%

Protein Families:

Druggable Genome

Protein Pathways:

Calcium signaling pathway, Olfactory transduction, Progesterone-mediated oocyte maturation, Purine metabolism

Product images:

WB Suggested Anti-PDE1C Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: HepG2 cell lysate