

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:

IDFIVEPTFTVLTDMTEKIVSPLIDETSQTGGTGQRRSSLNSISSSDAKR

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

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



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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 inThe 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 encodeThe 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 forThe 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 onThe 3' end.

Synonyms: cam-PDE 1C; hCam-3; Hcam3

Note: Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine:

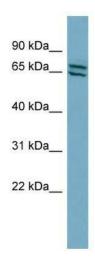
100%; Dog: 93%; Rabbit: 93%; Horse: 92%; Guinea pig: 92%

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