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Datasheet for ABIN6981509

anti-PDE3B antibody (AA 451-550) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	PDE3B
Binding Specificity:	AA 451-550
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE3B antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PDE3B
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PDE3B
Alternative Name:	PDE3B (PDE3B Products)

Target Details

Background: Synonyms: 5"-cyclic phosphodiesterase B, Adipocyte cAMP phosphodiesterase cGMP inhibited, A1847709, cAMP Phosphodiesterase, adipocyte, cGMP-inhibited, CGI-PDE B, CGIP1, CGIPDE B, CGIPDE1, cGMP inhibited 3 5 cyclic phosphodiesterase B, CGMP inhibited cAMP phosphodiesterase, cGMP-inhibited 3", Cyclic GMP inhibited phosphodiesterase B, Cyclic GMP-inhibited phosphodiesterase B, Cyclic nucleotide phosphodiesterase, HcGIP1, HcGIP1, rat, homolog of, Pde3b, PDE3B_HUMAN, Phosphodiesterase 3B cGMP inhibited.

Background: PDE3B is found in lymphocytes. The PDE7A1 (HCP1) isozyme and the PDE7A2 proteins, alternate splice products of PDE7A, are highly expressed in skeletal muscle. PDE7B is most highly expressed in pancreas. The PDE family contains proteins that serve tissue-specific roles in regulation of lipolysis, glycogenolysis, myocardial contractility, and smooth muscle relaxation.

Gene ID: 5140

UniProt: [Q13370](#)

Pathways: [Negative Regulation of Hormone Secretion](#), [Carbohydrate Homeostasis](#), [cAMP Metabolic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months