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Datasheet for ABIN7155165
anti-PDE8A antibody (AA 596-829) (Biotin)

Overview

Quantity:	100 µL
Target:	PDE8A
Binding Specificity:	AA 596-829
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE8A antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human High affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A protein (596-829AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	PDE8A
Alternative Name:	PDE8A (PDE8A Products)
Background:	Background: Hydrolyzes the second messenger cAMP, which is a key regulator of many

Target Details

important physiological processes (PubMed:18983167). May be involved in maintaining basal levels of the cyclic nucleotide and/or in the cAMP regulation of germ cell development (PubMed:18983167). Binding to RAF1 reduces RAF1 'Ser-259' inhibitory-phosphorylation and stimulates RAF1-dependent EGF-activated ERK-signaling (PubMed:23509299). Protects against cell death induced by hydrogen peroxide and staurosporine (PubMed:23509299).

Aliases: 5"-cyclic phosphodiesterase 8A antibody, cAMP specific cyclic nucleotide phosphodiesterase 8A antibody, FLJ16150 antibody, High affinity cAMP specific and IBMX insensitive 3'5' cyclic phosphodiesterase 8A antibody, High affinity cAMP-specific and IBMX-insensitive 3" antibody, HsT19550 antibody, PDE 8A antibody, PDE8A antibody, PDE8A_HUMAN antibody, Phosphodiesterase 8A antibody, Phosphodiesterase8A antibody, Weakly similar to 3'5' cyclic nucleotide phosphodiesterase antibody

UniProt: [O60658](#)

Pathways: [cAMP Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.