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Datasheet for ABIN1422148 **anti-PDE4A antibody (HRP)**

Overview

Quantity:	100 µL
Target:	PDE4A
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE4A antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PDE4A8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PDE4A
Abstract:	PDE4A Products
Background:	<p>Synonyms: 2EL, DPDE2, PDE4, PDE46, PDE4A, Phosphodiesterase 4A, Phosphodiesterase Type 4A8, PDE4A_HUMAN.</p> <p>Background: The PDE4A8 is a testis germ cell-specific PDE4A variant. There are two PDE4A variants identified in rat testis (PDE4A8 and an un-characterized 76 kDa PDE4A protein).</p>

Target Details

Spermatogenesis is accompanied by expression of a varied repertoire of PDE4 enzymes at different stages of cell differentiation that presumably perform specialized functions. Confocal microscopic examination revealed the presence of PDE4A8 in primary and secondary spermatids but not in mature spermatozoa. PDE4A8 inhibition results in increased apoptosis of the germ cells accompanied with reduction in the number of mature spermatozoa.

Gene ID:	5141
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400
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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months