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PDE4C Rabbit pAb

Catalog # AP99806

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q08493
Other Accession	Q08493
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79902
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PDE4C
Epitope Specificity	1-100/712
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]

Additional Information

Gene ID	5143
Other Names	DPDE1; PDE21; E130301F19Rik; dunce; PDE4C_HUMAN; PDE4C; cAMP-specific phosphodiesterase 4C; 3.1.4.53; PDE4C_MOUSE; PDE4C_RAT; phosphodiesterase 4C; phosphodiesterase 4C, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E1); phosphodiesterase 4C, cAMP-specific; phosphodiesterase E1 dunce homolog (Drosophila)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PDE4C (HGNC:8782)
Synonyms	DPDE1
Function	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes.
Cellular Location	Cell projection, cilium {ECO:0000250|UniProtKB:Q3UEI1}
Tissue Location	Expressed in various tissues but not in cells of the immune system.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.