

Product Name: PDE4C Rabbit Polyclonal Antibody
Catalog #: APRab15892



Summary

Production Name	PDE4C Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PDE4C
Alternative Names	PDE4C; DPDE1; cAMP-specific 3'; 5'-cyclic phosphodiesterase 4C; DPDE1; PDE21
Gene ID	5143.0
SwissProt ID	Q08493.The antiserum was produced against synthesized peptide derived from human PDE4C. AA range:291-340

Application

Dilution Ratio	WB 1:500-2000; ELISA 2000-20000
Molecular Weight	80kD

Background

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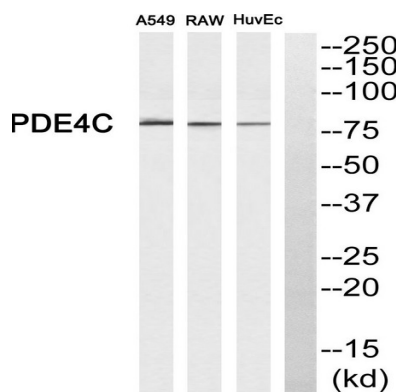


The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration 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],catalytic activity:Adenosine 3',5'-cyclic phosphate + H(2)O = adenosine 5'-phosphate.,enzyme regulation:Inhibited by rolipram.,pathway:Purine metabolism; cAMP degradation; AMP from cAMP: step 1/1.,similarity:Belongs to the cyclic nucleotide phosphodiesterase family.,tissue specificity:Expressed in various tissues but not in cells of the immune system.,

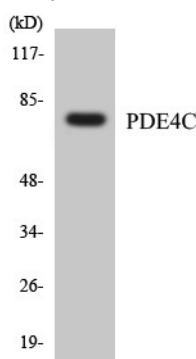
Research Area

Purine metabolism;

Image Data

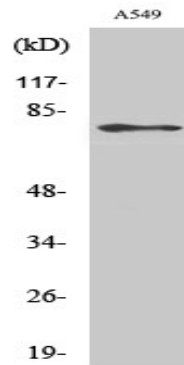


Western blot analysis of PDE4C Antibody. The lane on the right is blocked with the PDE4C peptide.



Western blot analysis of the lysates from HeLa cells using PDE4C antibody.

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Western Blot analysis of various cells using PDE4C Polyclonal Antibody

Note

For research use only.