Rabbit PDE4C Polyclonal Antibody | anti-PDE4C antibody

PDE4C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324545	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

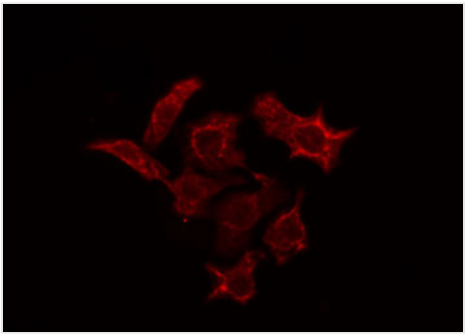
PRODUCT SYNONYMS

PDE4C; Polyclonal Antibody; PDE4C Antibody; 5''-cyclic phosphodiesterase 4C; cAMP specific 3' 5' cyclic phosphodiesterase 4C; cAMP-specific 3''; DPDE 1; DPDE1; MGC126222; PDE 21; PDE 4C; PDE21; Pde4c; PDE4C_HUMAN; Phosphodiesterase 4C; Phosphodiesterase 4C cAMP specific; cAMP specific (phosphodiesterase E1 dunce homolog; Drosophila); Phosphodiesterase E1 dunce homolog; Phosphodiesterase E1 dunce homolog Drosophila; Phosphodiesterase type 4C; anti-PDE4C antibody

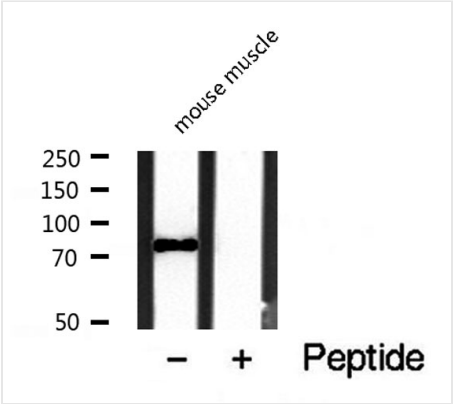
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDE4C antibody detects endogenous levels of total PDE4C
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	712
Applicable Applications for anti-PDE4C antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Tissue Specificity	Expressed in various tissues but not in cells of the immune system.
Predicted Cross Reactivity	**Pig, Bovine, Sheep, Dog**
Similarity	Pig (90%), Bovine (90%), Sheep (90%), Dog (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

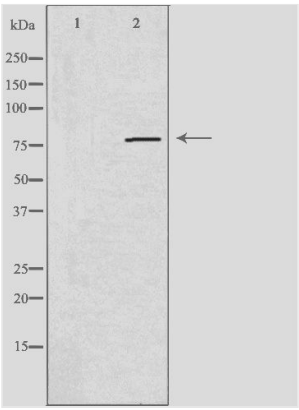
IMAGES



IF (Immunofluorescence)
AAA324545 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of PDE4C expression in mouse brain lysate



WB (Western Blot)
Western blot analysis of extracts from A549 cell, using PDE4C antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE4C antibody	Function: Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. Subunit Structure: Part of a complex containing AKAP5, ADCY5, ADCY6 and PKD2. Similarity: Belongs to the cyclic nucleotide phosphodiesterase family. PDE4 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	115529445
NCBI GeneID	5143
NCBI Accession #	NP_000914.2
NCBI GenBank Nucleotide #	NM_000923.5
UniProt Accession #	Q08493; Q9UN44; Q9UN45; Q9UN46; Q9UPJ6; B3KTC4
Molecular Weight	Observed: 80 kD Predicted: 80 kDa
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4C isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 4C
NCBI Official Symbol	PDE4C

NCBI Official Synonym Symbols	DPDE1; PDE21
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4C
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4C
UniProt Gene Name	**PDE4C**
UniProt Synonym Gene Names	DPDE1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/pde4c-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324545