Mouse PDE4A Monoclonal Antibody | anti-PDE4A antibody

PDE4A antibody

CATALOG #	HOST	APPLICATIONS
AAA107311	**Mouse**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

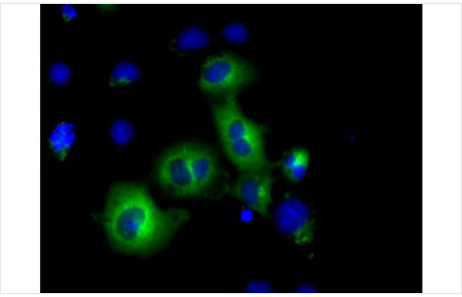
PRODUCT SYNONYMS

PDE4A; Monoclonal Antibody; PDE4A antibody; Monoclonal PDE4A; Anti-PDE4A; Phosphodiesterase 4A cAMP-specific; DPDE2; PDE46; Phosphodiesterase 4A; PDE4; cAMP-specific phosphodiesterase; PDEA 4; PDEA-4; anti-PDE4A antibody

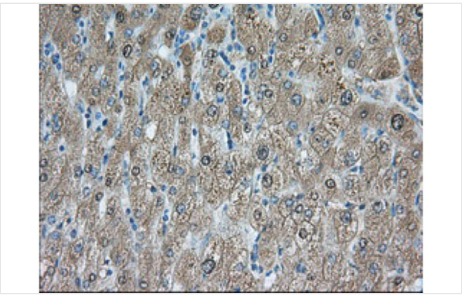
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2G2
Purity/Purification	PDE4A antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	647
Applicable Applications for anti-PDE4A antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Cyclic nucleotides are important second messengers that regulate and mediate a number of cellular responses to extracellular signals, such as hormones, light, and neurotransmitters. Cyclic nucleotide phosphodiesterases (PDEs)regulate the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. PDE4A is a class IV cAMP-specific PDE.
Cross-Reactivity	Human
Immunogen	PDE4A antibody was raised in mouse using a full length recombinant protein of human PDE4A (NP_006193) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

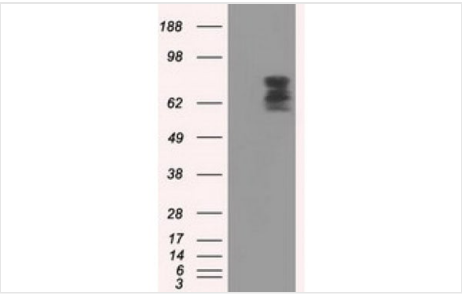
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PDE4A protein using PDE4A antibody



IHC (Immunohiostchemistry)
Immunohistochemical analysis of PDE4A protein in paraffin embedded Human liver tissue using PDE4A antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PDE4A protein (Right) or empty vector (Left) detected with PDE4A antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PDE4A antibody	Mouse monoclonal PDE4A antibody
Product Categories/Family for anti-PDE4A antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453862
NCBI GeneID	5141
NCBI Accession #	NP_006193
NCBI GenBank Nucleotide #	NM_006202.2
UniProt Accession #	P27815; O75522; O76092; Q16255; Q16691; Q5DM53; Q6PMT2; Q8IVA7; Q8WUQ3; Q9H3H2
Molecular Weight	95,571 Da
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4A isoform 4
NCBI Official Synonym Full Names	phosphodiesterase 4A, cAMP-specific
NCBI Official Symbol	PDE4A
NCBI Official Synonym Symbols	PDE4; DPDE2; PDE46
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4A
UniProt Gene Name	**PDE4A**
UniProt Synonym Gene Names	DPDE2
UniProt Entry Name	PDE4A_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/pde4a-antibody-clone-2g2-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/107311