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Product datasheet for TA501200S

PDE4A Mouse Monoclonal Antibody [Clone ID: OTI2G2]

Product data:

|	
Product Type:	Primary Antibodies
Clone Name:	OTI2G2
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PDE4A (NP_006193) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.67 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	72.0 kDa
Gene Name:	phosphodiesterase 4A
Database Link:	NP_006193 Entrez Gene 5141 Human P27815
Background:	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

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| Synonyms:	DPDE2; PDE4; PDE46
Protein Families:	Druggable Genome
Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism

Product images:
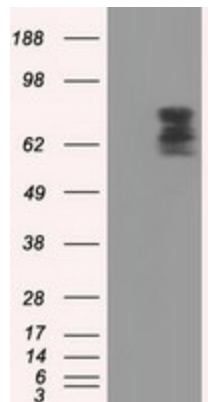
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PDE4A ([RC207765], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PDE4A.
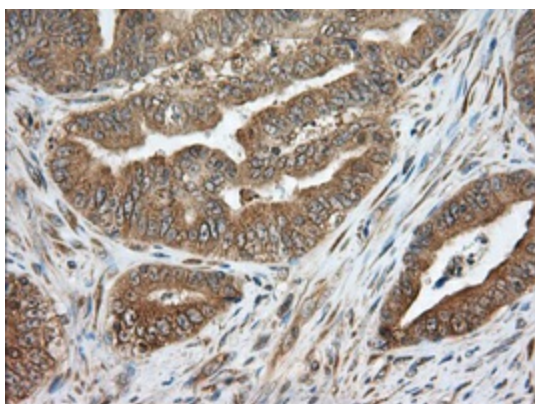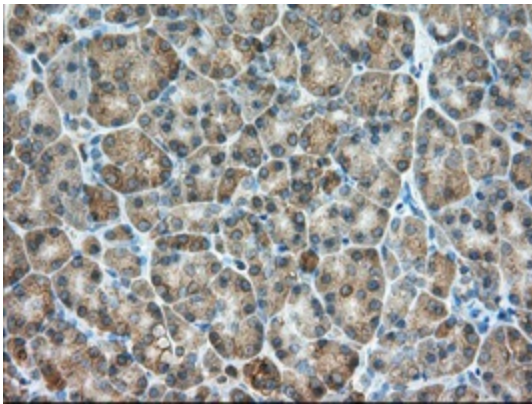

Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-PDE4A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501200], Dilution 1:50)
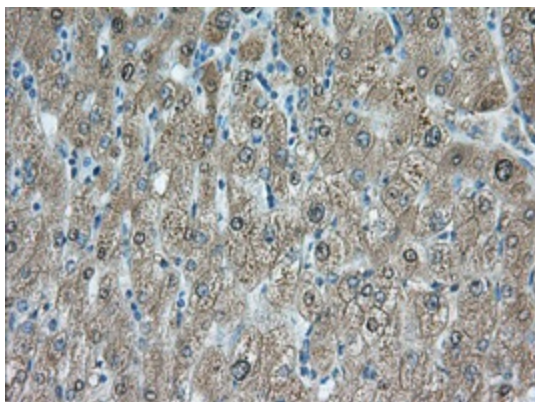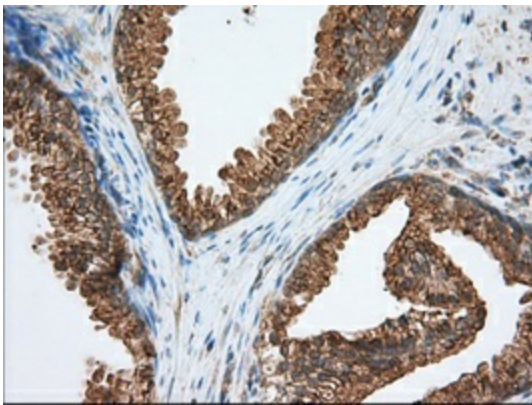

Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PDE4A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501200], Dilution 1:50)
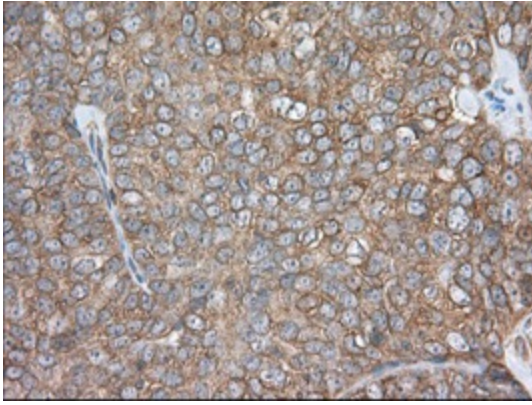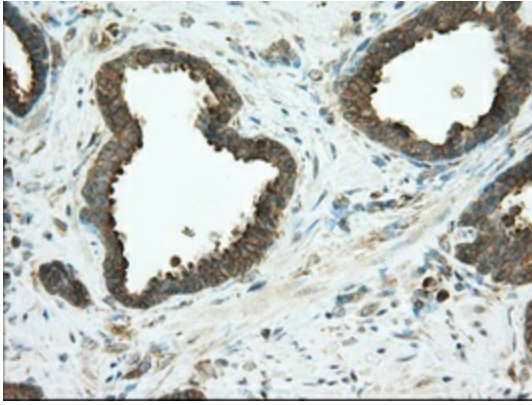
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PDE4A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501200], Dilution 1:50)


Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PDE4A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501200], Dilution 1:50)


Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PDE4A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501200], Dilution 1:50)

Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-PDE4A mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501200], Dilution 1:50)
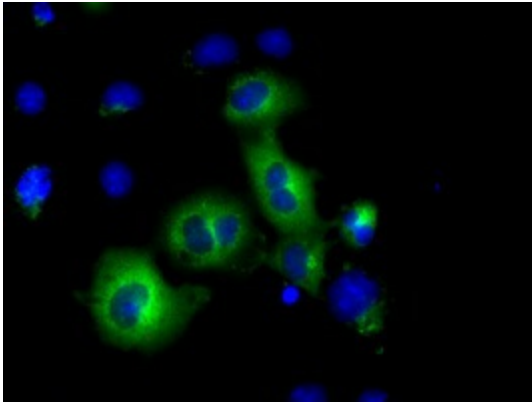
Anti-PDE4A mouse monoclonal antibody ([TA501200]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PDE4A ([RC207765]).
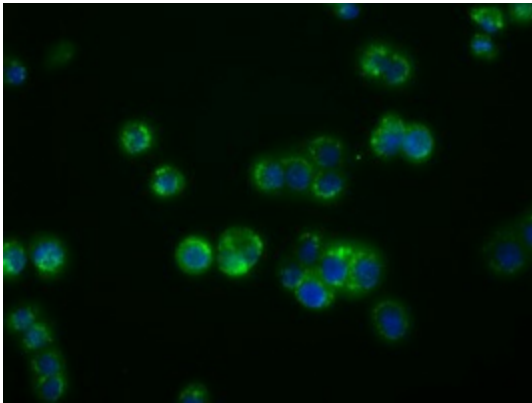
Immunofluorescent staining of HT29 cells using anti-PDE4A mouse monoclonal antibody ([TA501200]).
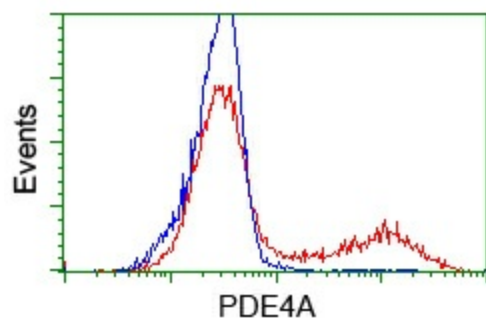
HEK293T cells transfected with either [RC207765] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PDE4A antibody ([TA501200]), and then analyzed by flow cytometry.