ARG63896
anti-PDE4B antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PDE4B
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise all reported isoforms (NP_002591.2, NP_001032418.1, NP_001032416.1 and NP_001032417.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PDE4B
Species	Human
Immunogen	C-DIDIATEDKSPVDT
Conjugation	Un-conjugated
Alternate Names	cAMP-specific 3',5'-cyclic phosphodiesterase 4B; EC 3.1.4.53; PDEIVB; DPDE4; PDE32

Application Instructions

Application table

Application	Dilution
IHC-P	5 µg/ml
WB	0.5 - 1.0 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

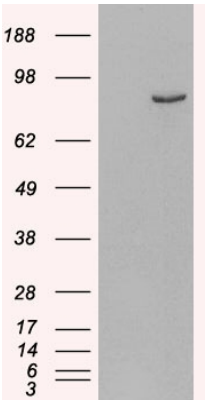
Bioinformation

Database links	GeneID: 5142 Human Swiss-port # Q07343 Human
Background	This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. Cyclic nucleotides are important second messengers that regulate and mediate a number of cellular responses to extracellular signals, such as hormones, light, and neurotransmitters. The cyclic nucleotide phosphodiesterases (PDEs) regulate the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. This gene encodes a protein that specifically hydrolyzes cAMP. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Research Area	Signaling Transduction antibody
Calculated Mw	83 kDa

Images

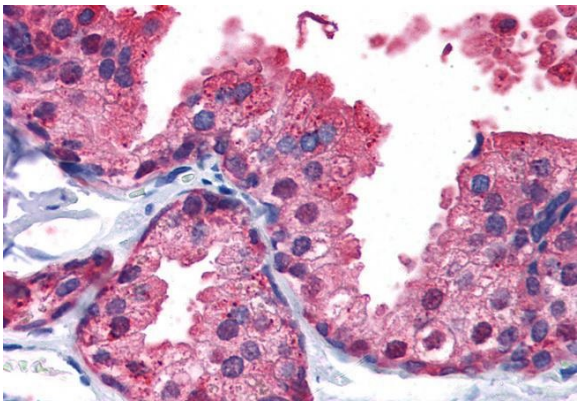
ARG63896 anti-PDE4B antibody WB image

Western blot: Mouse Brain Lysate (35 µg protein in RIPA buffer) stained with ARG63896 anti-PDE4B antibody at 0.5 µg/ml dilution.



ARG63896 anti-PDE4B antibody WB image

Western blot: 1). Mock transfection; 2) Human PDE4B (RC211956) expressing plasmid transfected HEK293 cell lysate standed with ARG63896 anti-PDE4B antibody.



ARG63896 anti-PDE4B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63896 anti-PDE4B antibody at 5 µg/ml dilution followed by AP-staining.