

Goat PDE4B Polyclonal Antibody | anti-PDE4B antibody

Goat Polyclonal to Human PDE4B

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52092	Goat	Gorilla, Human, Mouse Predicted Reactivity: Gibbon, Monkey, Hamster (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

PDE4B; Polyclonal Antibody; Goat Polyclonal to Human PDE4B; Anti-PDE4B Antibody (C-Terminus) IHC-plus; Pde-ivb; PDE32; PDE4B5; PDEIVB; Phosphodiesterase 4b; DPDE4; PDE4B3; Human PDE4B; anti-PDE4B antibody

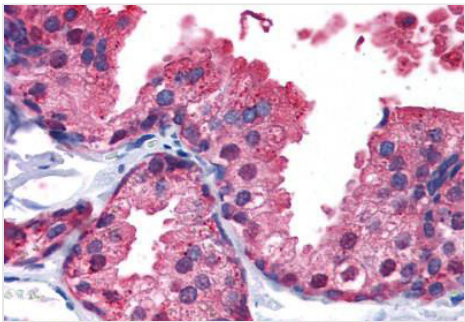
PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Gorilla, Human, Mouse Predicted Reactivity: Gibbon, Monkey, Hamster (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human PDE4B. This antibody is expected to recognise all reported isoforms (NP_002591.2, NP_001032418.1, NP_001032416.1 and NP_001032417.1).
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	736
Applicable Applications for anti-PDE4B antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-DIDIATEDKSPVDT from the C-terminus of human PDE4B (NP_002591.2; NP_001032418.1; NP_001032416.1; NP_001032417.1). Percent identity by BLAST analysis: Human, Gorilla, Monkey (100%); Gibbon, Marmoset, Mouse, Hamster (93%).
Immunogen Type	Synthetic peptide
Immunogen	PDE4B antibody was raised against synthetic peptide C-DIDIATEDKSPVDT from the C-terminus of human PDE4B (NP_002591.2; NP_001032418.1; NP_001032416.1; NP_001032417.1). Percent identity by BLAST analysis: Human, Gorilla, Monkey (100%); Gibbon, Marmoset, Mouse, Hamster (93%); Rat, Rabbit (86%).
Antigen Modification	C-Terminus
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



WB (Western Blot)
Antibody (0.5 ug/ml) staining of Mouse Brain Lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)
Anti-PDE4B antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE4B antibody	Phosphodiesterase 4B, a cAMP-specific phosphodiesterase, regulates pro-inflammatory and immune cells, and may function in learning, leukemia, memory (or other brain functions), and penile erectile dysfunction. PDE4B activity is inhibited by rolipram. At least three PDE4B isoforms, produced by alternative splicing, have been reported.
Product Categories/Family for anti-PDE4B antibody	Family: Phosphodiesterase ; Subfamily: PDE - cAMP-specific

NCBI AND UNIPROT INFORMATION

NCBI GI #	32171241
NCBI GeneID	5142
NCBI Accession #	NP_002591.2
NCBI GenBank Nucleotide #	NM_002600.3
UniProt Accession #	Q07343 ; O15443 ; Q13945 ; Q5TEK4 ; Q5TEK5 ; Q5TEK6 ; A5YW33
Molecular Weight	57,709 Da
NCBI Official Full Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 4B, cAMP-specific
NCBI Official Symbol	PDE4B
NCBI Official Synonym Symbols	DPDE4; PDEIVB
NCBI Protein Information	cAMP-specific 3',5'-cyclic phosphodiesterase 4B; dunce-like phosphodiesterase E4; phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)
UniProt Protein Name	cAMP-specific 3',5'-cyclic phosphodiesterase 4B
UniProt Gene Name	PDE4B
UniProt Synonym Gene Names	DPDE4
UniProt Entry Name	PDE4B_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.

