

Goat PDE11A Polyclonal Antibody | anti-PDE11A antibody

Goat Polyclonal to Human PDE11A

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50895	Goat	Bat, Gibbon, Bovine, Dog, Gorilla, Human, Monkey, Pig Predicted Reactivity: Mouse, Rat, Hamster, Horse, Rabbit (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

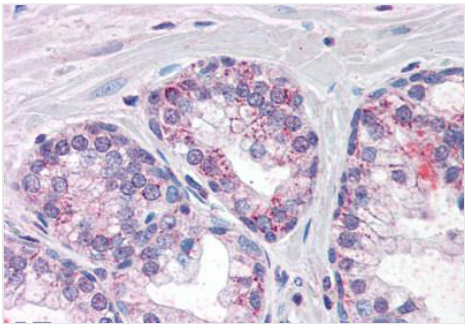
PRODUCT SYNONYMS

PDE11A; Polyclonal Antibody; Goat Polyclonal to Human PDE11A; Anti-PDE11A Antibody (Internal) IHC-plus; Pde11; PDE11A4; PDE11A1; PPNAD2; PDE11A2; PDE11A3; Phosphodiesterase 11A; Human PDE11A; anti-PDE11A antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Bat, Gibbon, Bovine, Dog, Gorilla, Human, Monkey, Pig Predicted Reactivity: Mouse, Rat, Hamster, Horse, Rabbit (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human PDE11A. This antibody is expected to recognise all four reported isoforms (NP_058649.3 ; NP_001070665.1; NP_001070826.1; NP_001070664.1).
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	489
Applicable Applications for anti-PDE11A antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-NSFKESMEKSSYSD from an internal region of human PDE11A (NP_058649.3 ; NP_001070665.1; NP_001070826.1; NP_001070664.1).
Immunogen Type	Synthetic peptide
Immunogen	PDE11A antibody was raised against synthetic peptide C-NSFKESMEKSSYSD from an internal region of human PDE11A (NP_058649.3 ; NP_001070665.1; NP_001070826.1; NP_001070664.1). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Elephant, Panda, Bovine, Dog, Bat, Pig (100%); Mouse, Rat, Hamster, Horse, Rabbit, Opossum (93%); Xenopus, Stickleback, Pufferfish, Zebrafish (86%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-PDE11A antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

WB (Western Blot)
Antibody (1 ug/ml) staining of Human Prostate lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE11A antibody	Phosphodiesterase 11A is a cAMP/cGMP dual-specific phosphodiesterase. PDE11A activity is inhibited by IBMX, as well as zaprinast and dipyridamole. At least four isoforms have been identified which carry distinct GAF sequences in the N-terminal regions. PDE11A2 contains an additional 86 amino acids at the N-terminus. PDE11A3 contains an additional 108 N-terminal amino acids compared to PDE11A2. PDE11A4 is the longest isoform.
Product Categories/Family for anti-PDE11A antibody	Family: Phosphodiesterase; Subfamily: PDE - cAMP/cGMP dual-specific

NCBI AND UNIPROT INFORMATION

NCBI GI #	116536083
NCBI GeneID	50940
NCBI Accession #	NP_001070664.1
NCBI GenBank Nucleotide #	NM_001077196.1
UniProt Accession #	Q9HCR9; Q14CD1; Q53T16; Q96S76; Q9GZY7; Q9HB46; Q9NY45
Molecular Weight	55,700 Da
NCBI Official Full Name	dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A isoform 1
NCBI Official Synonym Full Names	phosphodiesterase 11A
NCBI Official Symbol	PDE11A
NCBI Official Synonym Symbols	PPNAD2
NCBI Protein Information	dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A; cAMP and cGMP cyclic nucleotide phosphodiesterase 11A
UniProt Protein Name	Dual 3',5'-cyclic-AMP and -GMP phosphodiesterase 11A
UniProt Gene Name	PDE11A
UniProt Entry Name	PDE11_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.