

Rabbit PDE9A Polyclonal Antibody | anti-PDE9A antibody

Rabbit Polyclonal to Human PDE9A

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50671	Rabbit	Gibbon, Dog, Human, Monkey Predicted Reactivity: Gorilla, Mouse, Bat, Bovine, Pig, Chicken (at least 90% immunogen sequence identity)	Immunohistochemistry

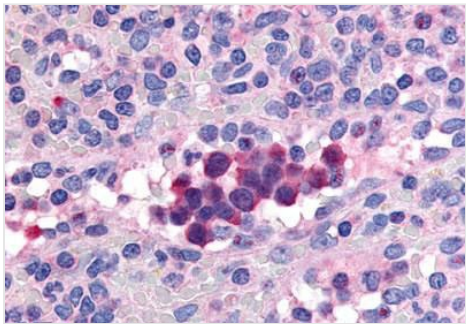
PRODUCT SYNONYMS

PDE9A; Polyclonal Antibody; Rabbit Polyclonal to Human PDE9A; Anti-PDE9A Antibody (Internal) IHC-plus; Pde9A1; Pde9a2; Pde9a3; Pde9a4; Phosphodiesterase 9A; Phosphodiesterase PDE9A21; HSPDE9A2; Human PDE9A; anti-PDE9A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gibbon, Dog, Human, Monkey Predicted Reactivity: Gorilla, Mouse, Bat, Bovine, Pig, Chicken (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human PDE9A. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	593
Applicable Applications for anti-PDE9A antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from internal region of human PDE9A. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Dog (100%); Gorilla, Mouse, Bat, Bovine, Panda, Pig, Turkey, Chicken (94%); Rat (88%).
Immunogen Type	Synthetic peptide
Immunogen	PDE9A antibody was raised against synthetic 17 amino acid peptide from internal region of human PDE9A. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Dog (100%); Gorilla, Mouse, Bat, Bovine, Panda, Pig, Turkey, Chicken (94%); Rat (88%); Elephant, Platypus, Lizard (82%).
Antigen Modification	Internal
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-PDE9A antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-PDE9A antibody	Phosphodiesterase 9A is a cGMP-specific phosphodiesterase. PDE9A activity is inhibited by zaprinast, but it is insensitive to rolipram, vinpocetine, SKF-94120, dipyridamole, and IBMX. More than 20 alternatively spliced variants have been reported (Rentero et al. 2003).
Product Categories/Family for anti-PDE9A antibody	Family: Phosphodiesterase; Subfamily: PDE - cGMP-specific

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505675
NCBI GeneID	5152
NCBI Accession #	NP_002597.1
NCBI GenBank Nucleotide #	NM_002606.2
UniProt Accession #	O76083; O75490; O75491; O95225; Q53Y40; Q5QD39; Q86SF7; Q86SI6; B2RBI5; B4DFI5; D3DSJ8; D3DSJ9
Molecular Weight	56,554 Da
NCBI Official Full Name	high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A isoform a
NCBI Official Synonym Full Names	phosphodiesterase 9A
NCBI Official Symbol	PDE9A
NCBI Official Synonym Symbols	HSPDE9A2
NCBI Protein Information	high affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A; phosphodiesterase PDE9A21; CGMP-specific 3',5'-cyclic phosphodiesterase type 9
UniProt Protein Name	High affinity cGMP-specific 3',5'-cyclic phosphodiesterase 9A
UniProt Gene Name	PDE9A
UniProt Entry Name	PDE9A_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.