

Rabbit anti-Human PDE3B Polyclonal Antibody | anti-PDE3B antibody

PDE3B Antibody (Center)

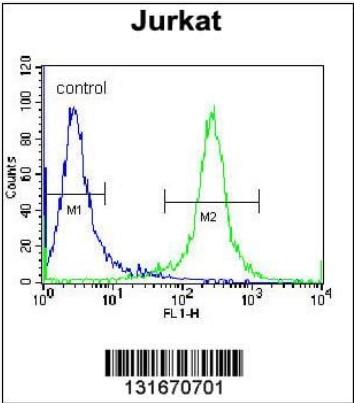
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284538	Rabbit	Human	Immunofluorescence, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

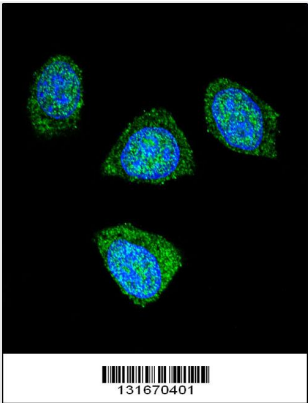
PDE3B; Polyclonal Antibody; PDE3B Antibody (Center); cGMP-inhibited 3'; 5'-cyclic phosphodiesterase B; CGIPDE1; CGIP1; Cyclic GMP-inhibited phosphodiesterase B; CGI-PDE B; anti-PDE3B antibody

PRODUCT SPECIFICATIONS

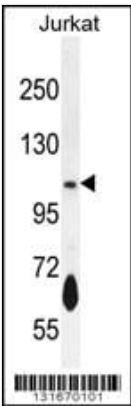
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDE3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-427 amino acids from the Central region of human PDE3B.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	400-427
Sequence Length	1112
Applicable Applications for anti-PDE3B antibody	IF (Immunofluorescence), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PDE3B Antibody (Center) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of PDE3B Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
PDE3B Antibody (Center) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the PDE3B antibody detected the PDE3B protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PDE3B antibody	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes; PDE3B may play a role in fat metabolism.
Product Categories/Family for anti-PDE3B antibody	Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Yamano, Y., et al. Int. J. Cancer 126(2):437-449(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Hanson, M.S., et al. Am. J. Physiol. Heart Circ. Physiol. 295 (2), H786-H793 (2008) : Raymond, D.R., et al. Cell. Signal. 19(12):2507-2518(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254434
NCBI GeneID	5140
NCBI Accession #	NP_000913.2
NCBI GenBank Nucleotide #	NM_000922.3
UniProt Accession #	Q13370; O00639; Q14408; Q6SEI4; B7ZM37

Molecular Weight	124333
NCBI Official Full Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
NCBI Official Synonym Full Names	phosphodiesterase 3B, cGMP-inhibited
NCBI Official Symbol	PDE3B
NCBI Official Synonym Symbols	HcGIP1; cGIPDE1
NCBI Protein Information	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
UniProt Protein Name	cGMP-inhibited 3',5'-cyclic phosphodiesterase B
UniProt Gene Name	PDE3B
UniProt Synonym Gene Names	CGIP1; CGI-PDE B
UniProt Entry Name	PDE3B_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pde3b-antibody-immunofluorescence-western-blot-flow-cytometry-elisa/284538>