



Mouse anti-Human PDE5A monoclonal antibody, clone 0I6 (CABT-B10943)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	PDE5A (NP_001074, 29 a.a. ~ 139 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG3
Source/Host	Mouse
Species Reactivity	Human
Clone	0I6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	SVEAWLDDHWDFTFSYFVRKATREMVNAWFAERVHTIPVCKEGIRGHTESCSCPLQQSPR ADNSVPGTPTRKISASEFDRPLRPVVKDSEGTVSFLSDSEKKEQMPLTP*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a cGMP-binding, cGMP-specific phosphodiesterase, a member of the cyclic nucleotide phosphodiesterase family. This phosphodiesterase specifically hydrolyzes cGMP to
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5-GMP. It is involved in the regulation of intracellular concentrations of cyclic nucleotides and is important for smooth muscle relaxation in the cardiovascular system. Alternative splicing of this gene results in three transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Keywords	PDE5A; phosphodiesterase 5A, cGMP-specific; CN5A; PDE5; CGB-PDE; cGMP-specific 3,5-cyclic phosphodiesterase; phosphodiesterase isozyme 5; cGMP-specific phosphodiesterase PDE5A2; cGMP-specific phosphodiesterase type 5A; cGMP-binding cGMP-specific 3,5-cyclic nucleotide phosphodiesterase;
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GENE INFORMATION

Entrez Gene ID	8654
UniProt ID	O76074
Pathway	Formation of Platelet plug, organism-specific biosystem; Hemostasis, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet Activation, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem; Purine metabolism, organism-specific biosystem
Function	3",5"-cyclic-GMP phosphodiesterase activity; 3",5"-cyclic-nucleotide phosphodiesterase activity; cGMP binding; hydrolase activity; metal ion binding; nucleotide binding; zinc ion binding
