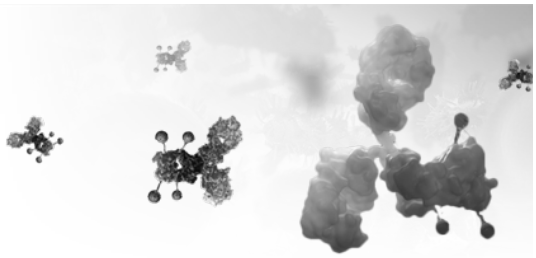

Human PDE11A blocking peptide (CDBP2228)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PDE11A antibody
Antigen Description	The 3',5'-cyclic nucleotides cAMP and cGMP function as second messengers in a wide variety of signal transduction pathways. 3',5'-cyclic nucleotide phosphodiesterases (PDEs) catalyze the hydrolysis of cAMP and cGMP to the corresponding 5'-monophosphates and provide a mechanism to downregulate cAMP and cGMP signaling. This gene encodes a member of the PDE protein superfamily. Mutations in this gene are a cause of Cushing disease and adrenocortical hyperplasia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PDE11A phosphodiesterase 11A [Homo sapiens]
Official Symbol	PDE11A
Synonyms	PDE11A; phosphodiesterase 11A; dual 3,5-cyclic-AMP and -GMP phosphodiesterase 11A;

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	cAMP and cGMP cyclic nucleotide phosphodiesterase 11A; PPNAD2; FLJ23693; MGC133355; MGC133356;
Entrez Gene ID	50940
mRNA Refseq	NM_001077196
Protein Refseq	NP_001070664
UniProt ID	Q9HCR9
Chromosome Location	2q31.3
Pathway	G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Hemostasis, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet homeostasis, organism-specific biosystem;
Function	3,5-cyclic-GMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; cAMP binding; cGMP binding; cGMP-stimulated cyclic-nucleotide phosphodiesterase activity; cyclic-nucleotide phosphodiesterase activity; hydrolase activity; metal

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