



Human PDE4D blocking peptide (CDBP2231)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PDE4D3 antibody
Antigen Description	This gene encodes one of four mammalian counterparts to the fruit fly 'dunce' gene. The encoded protein has 3',5'-cyclic-AMP phosphodiesterase activity and degrades cAMP, which acts as a signal transduction molecule in multiple cell types. This gene uses different promoters to generate multiple alternatively spliced transcript variants that encode functional proteins.[provided by RefSeq, Sep 2009]
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	PDE4D phosphodiesterase 4D, cAMP-specific [Homo sapiens (human)]
Official Symbol	PDE4D
Synonyms	PDE4D; phosphodiesterase 4D, cAMP-specific; DPDE3; PDE43; STRK1; ACRDYS2; HSPDE4D; PDE4DN2; cAMP-specific 3,5-cyclic phosphodiesterase 4D; cAMP-specific phosphodiesterase PDE4D6; phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3

dunce homolog, Drosophila);

Entrez Gene ID	5144
mRNA Refseq	NM_001104631.1
Protein Refseq	NP_001098101.1
UniProt ID	Q08499
Chromosome Location	5q12
Pathway	DARPP-32 events, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Morphine addiction, organism-specific biosystem; Morphine addiction, conserved biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Opioid Signalling, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolis
Function	3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-AMP phosphodiesterase activity; 3,5-cyclic-nucleotide phosphodiesterase activity; ATPase binding; beta-2 adrenergic receptor binding; cAMP binding; drug binding; enzyme binding; ion channel binding; io