



Anti-PDE4C (aa 1-99) polyclonal antibody (DPAB-DC2171)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE4 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]
Immunogen	PDE4C (NP_000914, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. The sequence is MENLGVGEGAEACSRLSRSRGRHSMTRAPKHLWRQPRRPIRIQQRFYSDPKSAGCRERD LSPRPELRKSRLSWPVSSCRRFDLENGLSCGRRALDPQS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PDE4C phosphodiesterase 4C, cAMP-specific [Homo sapiens (human)]
Official Symbol	PDE4C
Synonyms	PDE4C; phosphodiesterase 4C, cAMP-specific; DPDE1; cAMP-specific 3,5-cyclic phosphodiesterase 4C; PDE21; phosphodiesterase E1 dunce homolog; phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila);
Entrez Gene ID	5143
Protein Refseq	NP_000914
UniProt ID	O43849
Chromosome Location	19p13.11
Pathway	DARPP-32 events; G alpha (s) signalling events; Morphine addiction; Opioid Signalling
Function	3,5-cyclic-AMP phosphodiesterase activity; metal ion binding;