



Anti-PDE7A (aa 18-117) polyclonal antibody (DPAB-DC2184)

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 PDE7 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.
Immunogen	PDE7A (NP_002594, 18 a.a. ~ 117 a.a) partial recombinant protein with GST tag. The sequence is TSKRRGAISYDSSDQTALYIRMLGDVRVRSRAGFESERRGSHPYIDFRIFHSQSEIEVS SARNIRRLLSFQRYLRSSRFFRGTAVSNSLNILDDDYNGQ
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	PDE7A phosphodiesterase 7A [Homo sapiens (human)]
Official Symbol	PDE7A
Synonyms	PDE7A; phosphodiesterase 7A; HCP1; PDE7; high affinity cAMP-specific 3,5-cyclic phosphodiesterase 7A; TM22; phosphodiesterase isozyme 7;
Entrez Gene ID	5150
Protein Refseq	NP_001229247
UniProt ID	Q13946
Chromosome Location	8q13
Pathway	G Protein Signaling Pathways; GPCR downstream signaling; Morphine addiction; Purine metabolism
Function	3,5-cyclic-AMP phosphodiesterase activity; metal ion binding;