

PDE9A rabbit monoclonal antibody

Catalog # H00005152-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PDE9A peptide using ARM Technology.
Immunogen	A synthetic peptide of human PDE9A is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PDE9A peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PDE9A

Entrez GeneID	5152
GeneBank Accession#	PDE9A
Gene Name	PDE9A
Gene Alias	HSPDE9A2
Gene Description	phosphodiesterase 9A
Omim ID	602973
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene catalyzes the hydrolysis of cAMP and cGMP to their corresponding monophosphates. The encoded protein plays a role in signal transduction by regulating the intracellular concentration of these cyclic nucleotides. Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CGMP-specific 3',5'-cyclic phosphodiesterase type 9 OTTHUMP00000109390 OTTHUMP00000109391 OTTHUMP00000109393 OTTHUMP00000109394 OTTHUMP00000109397 OTTHUMP00000109399 OTTHUMP00000109400 phosphodiesterase PDE9A21

Pathway

- [Purine metabolism](#)

Disease

- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Tobacco Use Disorder](#)