

PDE8A rabbit monoclonal antibody

Catalog # H00005151-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PDE8A peptide using ARM Technology.
Immunogen	A synthetic peptide of human PDE8A 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 PDE8A 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 — PDE8A

Entrez GeneID [5151](#)

GeneBank Accession# [PDE8A](#)

Gene Name PDE8A

Gene Alias FLJ16150, HsT19550

Gene Description phosphodiesterase 8A

Omim ID [602972](#)

Gene Ontology [Hyperlink](#)

Gene Summary Phosphodiesterases (PDEs) regulate the intracellular levels of cAMP and cGMP. These cyclic nucleotides play an important role as second messengers in multiple physiologic processes, including regulation of vascular resistance, cardiac output, visceral motility, immune response, inflammation, neuroplasticity, vision, and reproduction. PDEs comprise a large superfamily of enzymes divided into 10 families. Different PDEs can be distinguished by their structure, tissue expression, localization, substrate specificity, regulation, and sensitivity to PDE inhibitors. Diversity in structure and specificity of function make PDEs promising targets for the pharmacotherapy of diseases modulated by cyclic nucleotide signaling (Hetman et al., MIM 2000). See MIM 171885.[supplied by OMIM]

Other Designations OTTHUMP00000192898|cAMP-specific cyclic nucleotide phosphodiesterase 8A|high-affinity cAMP-specific and IBMX-insensitive 3',5'-cyclic phosphodiesterase 8A

Pathway

- [Purine metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Polycystic Ovary Syndrome](#)