

PDE4D rabbit monoclonal antibody

Catalog # H00005144-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PDE4D peptide using ARM Technology.
Immunogen	A synthetic peptide of human PDE4D 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 PDE4D 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 — PDE4D

Entrez GeneID	5144
GeneBank Accession#	PDE4D
Gene Name	PDE4D
Gene Alias	DPDE3, HSPDE4D, PDE4DN2, STRK1
Gene Description	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)
Omim ID	600129 606799
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	cAMP-specific phosphodiesterase 4D cAMP-specific phosphodiesterase PDE4D6 dunce-like phosphodiesterase E3 phosphodiesterase 4D, cAMP-specific (dunce

Pathway

- [Purine metabolism](#)

Disease

- [Angina](#)
- [Arterial Occlusive Diseases](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Ischemia](#)
- [Calcinosis](#)

- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Embolism](#)
- [Genetic Predisposition to Disease](#)
- [Heart Diseases](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Arteriosclerosis](#)
- [Intracranial Hemorrhages](#)
- [Ischemia](#)
- [Ischemic Attack](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)

- [Myocardial Ischemia](#)
- [Neuropsychological Tests](#)
- [Neurotic Disorders](#)
- [Obesity](#)
- [Personality Inventory](#)
- [Pulmonary Disease](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Thyroid Diseases](#)
- [Tobacco Use Disorder](#)
- [Werner syndrome](#)