

PTGDR rabbit monoclonal antibody

Catalog # H00005729-K

Size 100 ug x up to 3

Specification

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

Entrez GeneID	5729
GeneBank Accession#	PTGDR
Gene Name	PTGDR
Gene Alias	AS1, ASRT1, DP, DP1, MGC49004
Gene Description	prostaglandin D2 receptor (DP)
Omim ID	604687 607277
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a G-protein-coupled receptor. It has been shown to function as a prostanoid DP receptor. The activity of this receptor is mainly mediated by G-S proteins that stimulate adenylate cyclase resulting in an elevation of intracellular cAMP and Ca ²⁺ . Knockout studies in mice suggest that the ligand of this receptor, prostaglandin D2 (PGD ₂), functions as a mast cell-derived mediator to trigger asthmatic responses. [provided by RefSeq]
Other Designations	PGD receptor prostaglandin D2 receptor prostanoid DP receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hypersensitivity](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Premature Birth](#)
- [Respiratory Sounds](#)
- [Rhinitis](#)
- [Tobacco Use Disorder](#)