

PTGER3 rabbit monoclonal antibody

Catalog # H00005733-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PTGER3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PTGER3 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 PTGER3 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 — PTGER3

Entrez GeneID	5733
GeneBank Accession#	PTGER3
Gene Name	PTGER3
Gene Alias	EP3, EP3-I, EP3-II, EP3-III, EP3-IV, EP3e, MGC141828, MGC141829, MGC27302
Gene Description	prostaglandin E receptor 3 (subtype EP3)
Omim ID	176806
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotrophic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000011033 OTTHUMP00000011034 OTTHUMP00000011035 PGE receptor, EP3 subtype prostaglandin E receptor EP3 subtype 3 isoform prostaglandin E receptor 3, subtype EP3 prostaglandin E2 receptor prostaglandin receptor (PGE-2) prostanoid EP3 receptor

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)

- [Chorioamnionitis](#)
- [Connective Tissue Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Diseases](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Skin Diseases](#)
- [Tobacco Use Disorder](#)