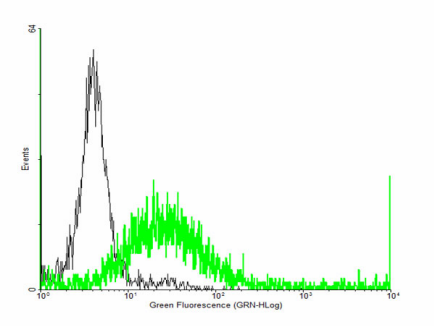
MaxPab®

PTGDR purified MaxPab mouse polyclonal antibody (B01P)

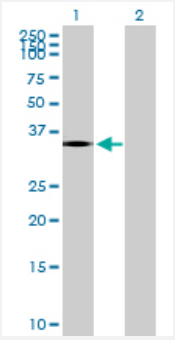
Catalog # H00005729-B01P Size 50 ug

Applications



Flow Cytometry

FACS analysis of negative control 293 cells (Black) and PTGDR expressing 293 cells (Green) using PTGDR purified MaxPab mouse polyclonal antibody.



Western Blot (Transfected lysate)

Western Blot analysis of PTGDR expression in transfected 293T cell line (H00005729-T01) by PTGDR MaxPab polyclonal antibody.

Lane 1: PTGDR transfected lysate(39.6 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PTGDR protein.
Immunogen	PTGDR (AAH40968, 1 a.a. ~ 359 a.a) full-length human protein.
Sequence	MKSPFYRCQNTTSVEKGNSAVMGGVLFSTGLLGNLLALGLLARSGLGWCSRRPLRPLPSVFYML VCGLTVTDLLGKCLLSPVVLAAYAQNRSLRVLAPALDNSLCQAFAFFMSFFGLSSTLQLLAMALE CWLSLGHPFFYRRHITLRLGALVAPVVSAFSLAFCALPFMGFGKFVQYCPGTWCFIQMVHEEGSL SVLGYSVLYSSLMALLVLATVLCNLGAMRNLYAMHRRLQRHPRSCTRDCAEPRADGREASPQPL EELDHLLLLALMTVLFTMCSLPVIYRAYYGAFKDVKEKNRTSEEAEDLRALRFLSVISIVDPWIFIIFR SPVFRIFFHKIFIRPLRYRSRCSNSTNMESSL
Host	Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (76)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Flow Cytometry

  FACS analysis of negative control 293 cells (Black) and PTGDR expressing 293 cells (Green) using PTGDR purified MaxPab mouse polyclonal antibody.

- Western Blot (Transfected lysate)

  Western Blot analysis of PTGDR expression in transfected 293T cell line (H00005729-T01) by PTGDR MaxPab polyclonal antibody.

  Lane 1: PTGDR transfected lysate(39.6 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

Gene Info — PTGDR

Entrez GeneID	5729
GeneBank Accession#	BC040968
Protein Accession#	AAH40968
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 Ca2+. Knockout studies in mice suggest that the ligand of this receptor, prostaglandin D2 (PGD2), functions as a mast cell-derived mediator to trigger asthmatic responses. [provided by RefSeq
Other Designations	PGD receptor|prostaglandin D2 receptor|prostanoid DP receptor

Publication Reference

- Prostaglandin D2 Receptor DP1 Antibodies Predict Vaccine-induced and Spontaneous Narcolepsy Type 1: Large-scale Study of Antibody Profiling.

  Sadam H, Pihlak A, Kivil A, Pihelgas S, Jaago M, Adler P, Vilo J, Vapalahti O, Neuman T, Lindholm D, Partinen M, Vaheri A, Palm K.

  EBioMedicine 2018 Mar; 29:47.

  Application: IF, Human, mesancgymal cells(hMSC), glioma cells (hGC_1)

- Neurodegenerative diseases and methods of modeling.

  Kevin Eggan, Francesco Paolo DiGiorgio.

  United States Patent Application Publication 2015 Nov; [Epub].

  Application: WB, Human, Hb9GFP, SOD1G93A ES cells

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