

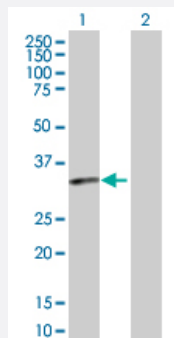
MaxPab®

PTGDR purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005729-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTGDR expression in transfected 293T cell line ([H00005729-T03](#)) by PTGDR MaxPab polyclonal antibody.

Lane 1: PTGDR transfected lysate(40.30 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PTGDR protein.

Immunogen

PTGDR (NP_000944.1, 1 a.a. ~ 359 a.a) full-length human protein.

Sequence

MKSPFYRCQNTTSVEKGNSAVMGGVLFSTGLLGNLLALGLLARSLGWCSRRPLRPLPSVFYML
VCGLTVTDLLGKCLLSPVLAAYAQNRSRLVLAPALDNSLCQAFAMSFGLSSTLQLLAMALE
CWLSLGHPFFYRRHITLRLGALVAPVVSFAFLAFALPFMGFGKFVQYCPGTWCFIQMVHEEGSL
SVLGYSVLYSSLMALLVLATVLCNLGAMRNLYAMHRRQLQRHPRSTRDCAEPRADGREASQPL
EELDHLLLLALMTVLFTMCSLPVIYRAYYGAFKDVKEKNRTSEEAEDLRALRFLSVISVDPWIFIIFR
SPVFRIFHHKIFIRPLRYRSRCSNSTNMESL

Host

Rabbit

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.

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[Protocol Download](#)

Gene Info — PTGDR

Entrez GeneID [5729](#)

GeneBank Accession# [NM_000953](#)

Protein Accession# [NP_000944.1](#)

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

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](#)