

DNAxPAb

Hard-to-Find  
Antibody

# PTGER1 DNAxPab

Catalog # H00005731-W01P      Size 200 ug

## Specification

|                         |                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------|
| Product Description     | Rabbit polyclonal antibody raised against a partial-length human PTGER1 DNA using DNAx™ Immune technology. |
| Technology              | <a href="#">DNAx™ Immune</a>                                                                               |
| Immunogen               | Extracellular membrane domain (ECD) human DNA                                                              |
| Host                    | Rabbit                                                                                                     |
| Reactivity              | Human                                                                                                      |
| Purification            | Protein A                                                                                                  |
| 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

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — PTGER1

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">5731</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| GeneBank Accession# | <a href="#">NM_000955.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Accession#  | <a href="#">NP_000946.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Name           | PTGER1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias          | EP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Description    | prostaglandin E receptor 1 (subtype EP1), 42kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omim ID             | <a href="#">176802</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin. [provided by RefSeq] |
| Other Designations  | PGE receptor, EP1 subtype prostaglandin E receptor 1, subtype EP1 prostanoid EP1 receptor                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Pathway

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

## Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)

- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)