

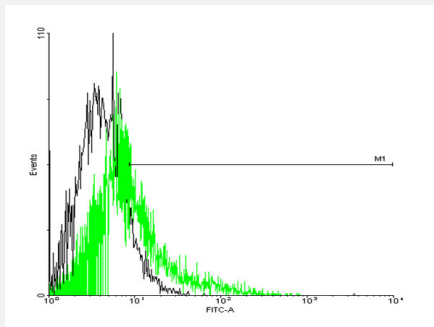
MaxPab®

PTGER3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005733-B01P

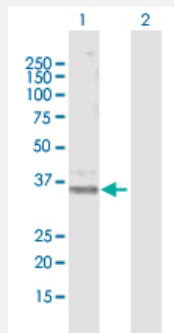
Size 50 ug

Applications



Flow Cytometry

FACS analysis of negative control 293 cells (Black) and PTGER3 expressing 293 cells (Green) using PTGER3 purified MaxPab mouse polyclonal antibody.



Western Blot (Transfected lysate)

Western Blot analysis of PTGER3 expression in transfected 293T cell line ([H00005733-T02](#)) by PTGER3 MaxPab polyclonal antibody.

Lane 1: PTGER3 transfected lysate(42.68 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PTGER3 protein.

Immunogen

PTGER3 (NP_942008.1, 1 a.a. ~ 388 a.a) full-length human protein.

Sequence

MKETRGYGGDAPFCTRLNHSYTMWAPERSAEARGNLTRPPGSGEDCGSVSVAFIPITMLLTGFV
GNALAMLLVSRSYRRRESKRKKSFLLCIGWLALTDLVGQLLTPPVVIVVYLSKQRWEHIDPSGRLC
TFFGLTMTVFGLSSLFIASAMAVERALAIRAPHWYASHMKTRATRAVLLGVWLAVLAFALLPVLGV
GQYTVQWPGTWCFISTGRGGNGTSSSHNWGNLFFASAFALGLLALTVTFSCNLATIKALVSRCL
AKATASQSSAQWGRITTETAIQLMGIMCVLSVCWSPLLIMMLKMIFNQTSVEHCKTHTEKQKECNF
FLIAVRLASLNQILDPPWVYLLLRKILLRKFCQVANAVSSCSNDGQKGQPISLSNEIIQTEA

Host

Mouse

Reactivity	Human
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 — PTGER3

Entrez GeneID	5733
GeneBank Accession#	NM_198715
Protein Accession#	NP_942008.1
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](#)