

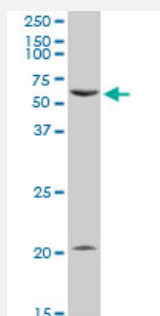
MaxPab®

PTGER4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005734-D01P

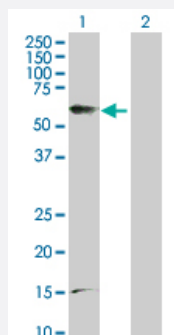
Size 100 ug

Applications



Western Blot (Cell lysate)

PTGER4 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTGER4 expression in Jurkat.



Western Blot (Transfected lysate)

Western Blot analysis of PTGER4 expression in transfected 293T cell line ([H00005734-T04](#)) by PTGER4 MaxPab polyclonal antibody.

Lane 1: PTGER4 transfected lysate(53.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PTGER4 protein.

Immunogen

PTGER4 (NP_000949.1, 1 a.a. ~ 488 a.a) full-length human protein.

Sequence

MSTPGVNSSASLSPDRLNSPVTIPAVMFIFGVVGNLVANVLCKSRKEQKETTFFYTLVCGLAVTDL
LGTLVSPVTIATYMKGQWPGGQPLCEYSTFILLFFSLSGLSIICAMSVERYLAINHAYFYSHYVDKR
LAGLTLFAVYASNVLFICALPNMGLGSSRLQYPDTWCFIDWTTNVTAAHAASYMYAGFSSFLILATV
LCNVLVCGALLRMHRQFMRRTSLGTEQHHAASVASRGHPAASPALPRLSDFRRRRSFRRIA
GAEIQMVILLIATSLVVLICSIPLVVRVFNQLYQPSLEREVSKNPDLQAIRASVNPILDPWYMLLRKT
VLSKAIEKIKCLFCRIGGSRRESGQHCSDSQRTSSAMSGHSRSFISRELKEISSTSQTLLPDLSLP
DLENGLGGRNLLPGVPGMGLAQEDTTLRLTRISSETSDSSQGQDSESVLLVDEAGGSGRAGPA
PKGSSLQVTFPSETLNLSEKCI

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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](#)

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Gene Info — PTGER4

Entrez GeneID	5734
GeneBank Accession#	NM_000958
Protein Accession#	NP_000949.1
Gene Name	PTGER4
Gene Alias	EP4, EP4R, MGC126583
Gene Description	prostaglandin E receptor 4 (subtype EP4)
Omim ID	601586
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 can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses. [provided by RefSeq]

Other Designations

PGE receptor, EP4 subtype|prostaglandin E receptor 4, subtype EP4|prostaglandin E2 receptor

Publication Reference

- [Abnormalities of neurotransmitter and neuropeptide systems in human neuroepithelioma cells infected by three Toxoplasma strains.](#)

Xiao J, Li Y, Jones-Brando L, Yolken RH.

Journal of Neural Transmission 2013 Dec; 120(12):1631.

Application: WB-Ce, Human, SK-N-MC cells

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Hypertension](#)
- [Infant](#)
- [Inflammatory Bowel Diseases](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)