

PTGER4 polyclonal antibody (A01)

Catalog # H00005734-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PTGER4.
Immunogen	PTGER4 (NP_000949, 379 a.a. ~ 488 a.a) partial recombinant protein with GST tag.
Sequence	SFISRELKEISSTSQTLLPDLSLPDLSENGLGGRNLLPGVPGMGLAQEDTTLRLTLRISETSDSSQGQDSESVLLVDEAGGSGRAGPAPKGSSLQVTFPSETLNLSEKCI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (80)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PTGER4

Entrez GeneID [5734](#)

GeneBank Accession# [NM_000958](#)

Protein Accession# [NP_000949](#)

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

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](#)