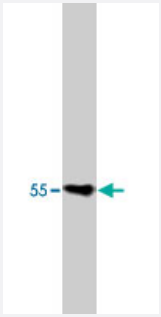
PTGER3 monoclonal antibody, clone 5F5

Catalog # MAB1978 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis using PTGER3 monoclonal antibody, clone 5F5 (Cat # MAB1978) on porcine brain lysate at 1 ug/mL .

Specification

Product Description	Mouse monoclonal antibody raised against recombinant PTGER3.
Immunogen	Recombinant protein of human PTGER3.
Host	Mouse
Reactivity	Bovine, Human, Rat
Form	Liquid
Isotype	IgG
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western blot (1 to 5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis using PTGER3 monoclonal antibody, clone 5F5 (Cat # MAB1978) on porcine brain lysate at 1 ug/mL .

Gene Info — PTGER3

Entrez GeneID	5733
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 prot ein 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 co ntraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for th is gene. [provided by RefSeq
Other Designations	OTTHUMP00000011033|OTTHUMP00000011034|OTTHUMP00000011035|PGE receptor, EP3 subtype|prostaglandin E receotor EP3 subtype 3 isoform|prostaglandin E receptor 3, subtype EP 3|prostaglandin E2 receptor|prostaglandin receptor (PGE-2)|prostanoid EP3 receptor

Publication Reference

- Prostaglandin EP3 receptor protein in serotonin and catecholamine cell groups: a double immunofluorescence study in the rat brain.

  Nakamura K, Li YQ, Kaneko T, Katoh H, Negishi M.

  Neuroscience 2001 Mar; 103(3):763.

  Application: IF, Rat, Brain

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- Immunolocalization of the four prostaglandin E2 receptor proteins EP1, EP2, EP3, and EP4 in human kidney.

  Morath R, Klein T, Seyberth HW, Nüsing RM.

  Journal of the American Society of Nephrology 1999 Sep; 10(9):1851.

  Application: IHC-Fr, WB-Ti, Human, Human kidneys

- Immunocytochemical localization of prostaglandin EP3 receptor in the rat hypothalamus.

  Nakamura K, Kaneko T, Yamashita Y, Hasegawa H, Katoh H, Ichikawa A, Negishi M.

  Neuroscience Letters 1999 Jan; 260(2):117.

  Application: IHC, WB-Ti, WB-Tr, Monkey, Rat, Brain, Kidney, COS-7 cells

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

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- 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

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