bs-1876R **[Primary Antibody]**

EP3/PTGER3 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5733 **SWISS:** P43115

Target: EP3/PTGER3

Immunogen: KLH conjugated synthetic peptide derived from human EP3: 51-150/390. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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 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 this gene. [provided by RefSeq].

Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Rat)

Predicted MW.: 43 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=4.556]** Li H et al. Meloxicam Improves Cognitive Impairment of Diabetic Rats through COX2-PGE2-EPs-cAMP/pPKA Pathway. Mol Pharm. 2018 Sep 4;15(9):4121-4131. WB ;Rat. 30109938
- **[IF=4.7]** Ziyue Zhang. et al. Study on the Chemical Composition and Anti-Tumor Mechanisms of Clausena lansium Fruit By-Products: Based on LC-MS, Network Pharmacology Analysis, and Protein Target Validation. FOODS. 2024 Jan;13(23):3878 WB ;Human. 39682950
- **[IF=2.6]** Ulises Cortes-Hernández. et al. Prostaglandin E2 suppresses KCNH1 gene expression and inhibits the proliferation of CaSki cervical cells through its four prostanoid PTGER subtypes. GENE. 2025 Jan;933:148997 WB ;Human. 39419236
- **[IF=2.253]** Chen Z et al. Seasonal expressions of prostaglandin E synthases and receptors in the prostate of the wild ground squirrel (Spermophilus dauricus). Prostaglandins and Other Lipid Mediators 148 (2020) 106412. IHC ;squirrel. doi:10.1016/j.prostaglandins.2020.106412