

bs-8538R**[Primary Antibody]****Bioss**
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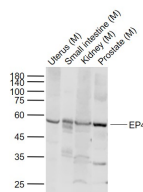
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400-901-9800

EP4 Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (2ug/Test)
Clonality: Polyclonal		
GeneID: 5734	SWISS: P35408	Reactivity: Mouse
Target: EP4		
Immunogen: KLH conjugated synthetic peptide derived from human EP4R/Prostaglandin E Receptor EP4: 151-250/488. < Extracellular >		Predicted MW.: 53 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane
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: Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.		

VALIDATION IMAGES

Sample: Lane 1: Mouse Uterus tissue lysates
Lane 2: Mouse Small intestine tissue lysates Lane
3: Mouse Kidney tissue lysates Lane 4: Mouse
Prostate tissue lysates Primary: Anti-EP4
(bs-8538R) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Rabbit IgG at 1/20000
dilution Predicted band size: 53 kD Observed
band size: 55 kD

SELECTED CITATIONS

- **[IF=9.423]** Xi He. et al. Tumor-initiating stem cell shapes its microenvironment into an immunosuppressive barrier and pro-tumorigenic niche. Cell Rep. 2021 Sep;36:109674 IF ;mouse. 34496236
- **[IF=7.01]** Xin Wang. et al. Irreversible Electroporation Improves Tendon Healing in a Rat Model of Collagenase-Induced Achilles Tendinopathy. AM J SPORT MED. ;(): IHC,IF ;Rat. 37129100
- **[IF=4.5]** Koyama, Hiroyuki, et al. "Comprehensive Profiling of GPCR Expression in Ghrelin-producing Cells." Endocrinology (2016): en-2016. IHC ;="Mouse". 26671185
- **[IF=4.5]** Haojie Chen. et al. Association Between Vertebral Endplate Defects and Patient-reported Symptoms: An Immunohistochemical Study Investigating the COX-2/PGE-2/EP-4 Axis. SPINE J. 2024 Apr;: IHC ;Human. 38631491
- **[IF=4.622]** Seung-Yub Song. et al. Purification of phenoloxidase from Haliotis discus hannai and its anti-inflammatory activity in vitro. FISH SHELLFISH IMMUN. 2023 Jun;137:108741 WB ;Human. 37088346

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.