

bs-1380R**[Primary Antibody]****GPR30 Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

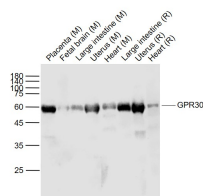
sales@bioss.com.cn

techsupport@bioss.com.cn

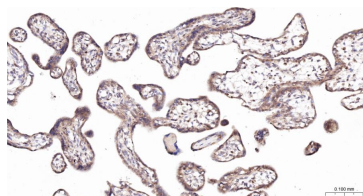
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 2852**SWISS:** Q99527**Target:** GPR30**Immunogen:** KLH conjugated synthetic peptide derived from human GPR30: 251-375/375. < 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.

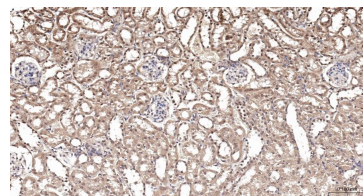
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is a member of the G-protein coupled receptor 1 family and encodes a multi-pass membrane protein that localizes to the endoplasmic reticulum. The protein binds estrogen, resulting in intracellular calcium mobilization and synthesis of phosphatidylinositol 3,4,5-trisphosphate in the nucleus. This protein therefore plays a role in the rapid nongenomic signaling events widely observed following stimulation of cells and tissues with estrogen. Alternate transcriptional splice variants which encode the same protein have been characterized. [provided by RefSeq, Jul 2008]**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 42 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

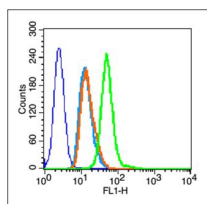
25 µg total protein per lane of various lysates (see on figure) probed with GPR30 polyclonal antibody, unconjugated (bs-1380R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Placenta; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GPR30 Polyclonal Antibody, Unconjugated (bs-1380R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with GPR30 Polyclonal Antibody, Unconjugated (bs-1380R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Blank control (blue line): A431 cells (fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C). Primary Antibody (green line): Rabbit Anti-PR30 antibody (bs-1380R), Dilution: 1µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-

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

— SELECTED CITATIONS —

- **[IF=11.1]** Nie Jichan. et al. Progressively diminished estrogen signaling concordant with increased fibrosis in ectopic endometrium. Human Reproduction Open. 2025 May;2025(3): IHC,WB ;Human. 40521103
- **[IF=7.129]** Qianfeng Liu. et al. Perfluoroalkyl substances promote breast cancer progression via ER α and GPER mediated PI3K/Akt and MAPK/Erk signaling pathways. ECOTOX ENVIRON SAFE. 2023 Jun;258:114980 WB ;Human. 37148752
- **[IF=5.6]** Zihao Fang. et al. 17 β -Estradiol mediates TGFBR3/Smad2/3 signaling to attenuate the fibrosis of TGF- β 1-induced bovine endometrial epithelial cells via GPER. J CELL PHYSIOL. 2023 Nov;; WB,IHC ;Bovine. 37991438
- **[IF=4.8]** Lixia Chen. et al. Activation of GPER1 by G1 prevents PTSD-like behaviors in mice: Illustrating the mechanisms from BDNF/TrkB to mitochondria and synaptic connection. CNS NEUROSCI THER. 2024 Jul;30(7):e14855 WB ;Mouse. 38992889
- **[IF=3.75]** Andressa S. Sousa. et al. Evaluation of coronary function in female rats with severe type 1 diabetes: Effects of combined treatment with insulin and pyridoxamine. MICROVASC RES. 2022 Dec;;104474 WB ;Rat. 36592817