bs-13536R

[Primary Antibody]

GPR43 Rabbit pAb

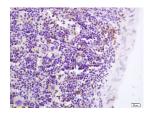


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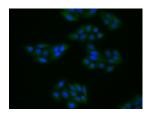
– DATASHEET –	400-901-9800	
Host: Rabbit	lsotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500) IF (1:100-500)
GenelD: 2867	SWISS: 015552	ICC/IF (1:100)
Target: GPR43		Reactivity: Human, Mouse
Immunogen: KLH conjugated synthetic peptide derived from human GPR43: 41-140/330. < Extracellular >		(predicted: Rat)
Purification: affinity purified b	y Protein A	
Concentration: 1mg/ml		Predicted MW.: ^{37 kDa}
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.		Subcellular Cell membrane Location:
therapy due to th receptor family. (GPR43 are related protein-coupled chromosomal loc a ligand for short propionate. Bact SCFAs, which are they exert cellula release, ERK1/2 a These effects ind	d receptors provide attractive targets for drug te sheer size and diversity of ligands within this 6 protein-coupled receptor (GPR) GPR41 and d members of a homologous family of orphan G receptors that are tandemly encoded at a single cus in both humans and mice. GPR43 functions a chain fatty acids (SCFAs), notably acetate and eria in the gut produce high concentrations of subsequently released in the bloodstream, whe r effects on blood leukocytes, including calcium ictivation, and inhibition of cAMP accumulation. icate a role for GPR43 in the recruitment of cularly polymorphonuclear cells, to sites of	re

- VALIDATION IMAGES

bacterial infection.



Tissue/cell: mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GPR43 Polyclonal Antibody, Unconjugated(bs-13536R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



MCF7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (GPR43) polyclonal Antibody, Unconjugated (bs-13536R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

- SELECTED CITATIONS -

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- [IF=8.739] Gang Tang. et al. Butyrate ameliorate skeletal muscle atrophy in Diabetic Nephropathy via enhancing gut

barrier function and FFA2-mediated PI3K/AKT/mTOR signals. 2021 Oct 12 WB,IHC ;MOUSE. 34638162

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- [IF=8.063] Hu ZB et al. Dysbiosis of intestinal microbiota mediates tubulointerstitial injury in diabetic nephropathy via the disruption of cholesterol homeostasis. Theranostics. 2020 Feb 3;10(6):2803-2816. IHC, IF ;rat. 32194836
- [IF=7.129] Kaidong Wang. et al. Gut dysfunction may be the source of pathological aggregation of alpha-synuclein in the central nervous system through Paraquat exposure in mice. ECOTOX ENVIRON SAFE. 2022 Nov;246:114152 WB ;Mouse. 36201918