

**AP06988PU-N****Polyclonal Antibody to FFAR2 (C-term) - Aff - Purified****Alternate names:**

Free fatty acid receptor 2, G-protein coupled receptor 43, GPR43

**Quantity:**

50 µg

**Concentration:**

1 mg/ml

**Background:**

GPR43 is classified as a Carboxylic Acid GPCR. The location of this receptor in the immune system is suggestive of potential roles in immune cell function and hematopoiesis.

**Uniprot ID:**[Q15552](#)**NCBI:**[NP\\_005297.1](#)**GeneID:**[2867](#)**Host:**

Rabbit

**Immunogen:**

FFAR2 antibody was raised against synthetic peptide from C-terminal domain of human FFAR2 / GPR43

**Remarks:** Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Monkey (94%).

BLAST analysis of the peptide immunogen showed no homology with other human proteins, except BMI1 (50%).

**Format:****State:** Liquid purified Ig fraction**Purification:** Immunoaffinity Chromatography**Buffer System:** PBS**Preservatives:** 0.09% Sodium Azide**Applications:****ELISA.****Immunohistochemistry on Paraffin Sections:** 20 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

This antibody recognizes G Protein-Coupled Receptor GPR43 (FFAR2) at C-terminal domain.

**Species Reactivity:****Tested:** Human, Gorilla, Monkey**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**Product Citations:****Originator or purchased from resellers:**

1. Voltolini C, Battersby S, Etherington SL, Petraglia F, Norman JE, Jabbour HN. A novel antiinflammatory role for the short-chain fatty acids in human labor. *Endocrinology*. 2012 Jan;153(1):395-403. doi: 10.1210/en.2011-1457. Epub 2011 Dec 20. PubMed PMID: 22186417.

**Pictures:**

**Figure 1.** AP06988PU-N GPR43 antibody staining of Formalin-Fixed Paraffin-Embedded (FFPE) Human Lung, alveolar macrophages.

