

Product Information

Size:

50ug

Protein Background:

G protein-coupled receptor that is activated by a major product of dietary fiber digestion, the short chain fatty acid, (SCFAs), and that plays a role in the regulation of whole-body energy homeostasis and in intestinal immunity. In omnivorous mammals, the short chain fatty acid, acetate, propionate and butyrate are produced primarily by the gut microbiome that metabolizes dietary fibers. SCFAs serve as a source of energy but also act as signaling molecules. That G protein-coupled receptor is probably coupled to the pertussis toxin-sensitive, G(i/o)-alpha family of G proteins. Its activation results in the formation of inositol 1,4,5-trisphosphate, the mobilization of intracellular calcium, the phosphorylation of the MAPK3/ERK1 and MAPK1/ERK2 kinases and the inhibition of intracellular cAMP accumulation.

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Gene ID:**Applications:**

ELISA

FFAR3

Recommended dilutions:

O14843

Synonyms:

Free fatty acid, receptor 3 (G-protein coupled receptor 41), FFAR3, GPR41

Immunogen:

Recombinant Human Free fatty acid, receptor 3 protein (280-346AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images

N/A

N/A