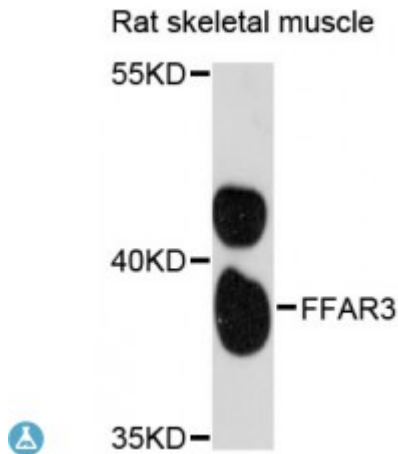


Anti-FFAR3 Antibody



Model	STJ114510
Host	Rabbit
Reactivity	Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 257-346 of human FFAR3 (NP_005295.1).
Gene ID	2865
Gene Symbol	FFAR3
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highest level in adipose tissue, and lower expression across all tissues tested, Expressed in sympathetic ganglia
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Free fatty acid receptor 3 G-protein coupled receptor 41
Molecular Weight	38.649 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:4499OMIM:603821Reactome:R-HSA-416476

Alternative Names

Free fatty acid receptor 3 G-protein coupled receptor 41

Function

G protein-coupled receptor that is activated by a major product of dietary fiber digestion, the short chain fatty acids (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 acids 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 ,

Cellular Localization

Cell membrane

St John's Laboratory Ltd**F** +44 (0)207 681 2580**T** +44 (0)208 223 3081**W** <http://www.stjohnslabs.com/>**E** info@stjohnslabs.com