

GPR40 Antibody (RQ4289)

Catalog No.	Formulation	Size
RQ4289	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O14842
Localization	Cell membrane
Applications	Western Blot : 0.5-1ug/ml
Limitations	This GPR40 antibody is available for research use only.

kDa
72-
55-
43-
34-
26-

17-

10-

Western blot testing of human PANC-1 cell lysate with GPR40 antibody at 0.5ug/ml.
Predicted molecular weight ~31 kDa.

Description

Free fatty acid receptor 1 (FFA1), also known as GPR40, is a class A G-protein coupled receptor that in humans is encoded by the FFAR1 gene. This gene encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for medium and long chain free fatty acids and may be involved in the metabolic regulation of insulin secretion. Polymorphisms in this gene may be associated with type 2 diabetes.

Application Notes

Optimal dilution of the GPR40 antibody should be determined by the researcher.

Immunogen

Amino acids YVGCLRALARSGLTHRRKLRAAWVA were used as the immunogen for the GPR40 antibody.

Storage

After reconstitution, the GPR40 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.