

GPR40 Antibody (RQ4289)

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

Bulk quote request

| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Antigen affinity purified |
| 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.