

FFAR1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16189**Specification**

FFAR1 antibody - N-terminal region - Product Information

| | |
|-------------------|---|
| Application | WB |
| Primary Accession | O14842 |
| Other Accession | NM_005303 , NP_005294 |
| Reactivity | Human, Mouse, Rat, Pig, Bovine, Dog |
| Predicted | Human, Mouse, Rat, Pig, Bovine, Dog |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 31kDa KDa |

FFAR1 antibody - N-terminal region - Additional Information**Gene ID** 2864**Alias Symbol** FFA1R, GPCR40, GPR40**Other Names**

Free fatty acid receptor 1, G-protein coupled receptor 40, FFAR1, GPR40

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-FFAR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

FFAR1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

FFAR1 antibody - N-terminal region - Protein Information**Name** FFAR1**Synonyms** GPR40**Function**

G-protein coupled receptor for medium and long chain saturated and unsaturated fatty acids that plays an important role in glucose homeostasis. Fatty acid binding increases glucose-stimulated insulin secretion, and may also enhance the secretion of glucagon-like peptide 1 (GLP-1). May also play a role in bone homeostasis; receptor signaling activates pathways that inhibit osteoclast differentiation (By similarity). Ligand binding leads to a conformation change that triggers signaling via G-proteins that activate phospholipase C, leading to an increase of the intracellular calcium concentration. Seems to act through a G(q) and G(i)-mediated pathway. Mediates the

anti-inflammatory effects of omega-3 polyunsaturated fatty acids (PUFAs) via inhibition of NLRP3 inflammasome activation.

Cellular Location

Cell membrane; Multi-pass membrane protein

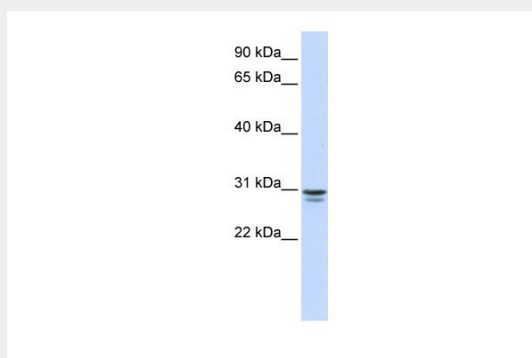
Tissue Location

Detected in brain and pancreas. Detected in pancreatic beta cells.

FFAR1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FFAR1 antibody - N-terminal region - Images

WB Suggested Anti-FFAR1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:12500

Positive Control: Human Liver

FFAR1 antibody - N-terminal region - Background

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FFAR1 antibody - N-terminal region - References

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Briscoe C.P., et al. J. Biol. Chem. 278:11303-11311(2003).
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