

Datasheet for ABIN1049164  
**anti-O3FAR1 antibody (C-Term)**



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2 Images

## Overview

|                      |                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------|
| Quantity:            | 50 µg                                                                                   |
| Target:              | O3FAR1                                                                                  |
| Binding Specificity: | C-Term                                                                                  |
| Reactivity:          | Human                                                                                   |
| Host:                | Rabbit                                                                                  |
| Clonality:           | Polyclonal                                                                              |
| Conjugate:           | This O3FAR1 antibody is un-conjugated                                                   |
| Application:         | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand:                | IHC-plus™                                                                                                                                                                                                                                                 |
| Immunogen:            | Synthetic 20 amino acid peptide from C-terminus of human O3FAR1 / GPR120. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Monkey, Marmoset (95%), Gibbon (89%).<br><br>Type of Immunogen: Synthetic peptide |
| Specificity:          | Human O3FAR1 / GPR120. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TTL (30 %).                                                                                                                           |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Monkey, Marmoset (95%) Gibbon (89%).                                                                                                                        |
| Purification:         | Immunoaffinity purified                                                                                                                                                                                                                                   |

## Target Details

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|                   |                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | O3FAR1                                                                                                                                                      |
| Alternative Name: | O3FAR1 / GPR120 ( <a href="#">O3FAR1 Products</a> )                                                                                                         |
| Background:       | Name/Gene ID: FFAR4<br>Subfamily: Fatty acid<br>Family: GPCR<br><br>Synonyms: FFAR4, Free fatty acid receptor 4, GT01, GPR129, GPR120, O3FAR1, PGR4, BMIQ10 |
| Gene ID:          | 338557                                                                                                                                                      |
| Pathways:         | <a href="#">Hormone Transport</a>                                                                                                                           |

## Application Details

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|--------------------|--------------------------------------------------|
| Application Notes: | Approved: IHC, IHC-P (4 - 8 µg/mL)               |
| Comment:           | Target Species of Antibody: Human                |
| Assay Procedure:   | <b>The IHC-pro Immunohistochemistry Protocol</b> |

### **Tissue Preparation**

Formalin fixation and embedding in paraffin wax

### **Tissue Sectioning**

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

### **Rehydration**

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

### **Antigen retrieval**

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

### **Immunostaining**

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

### **Dehydrate**

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: Lot specific

Buffer: PBS, less than 0.1 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

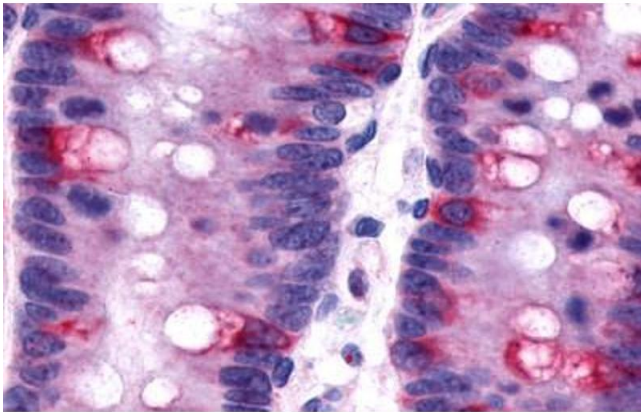
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## Handling

Storage Comment: Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

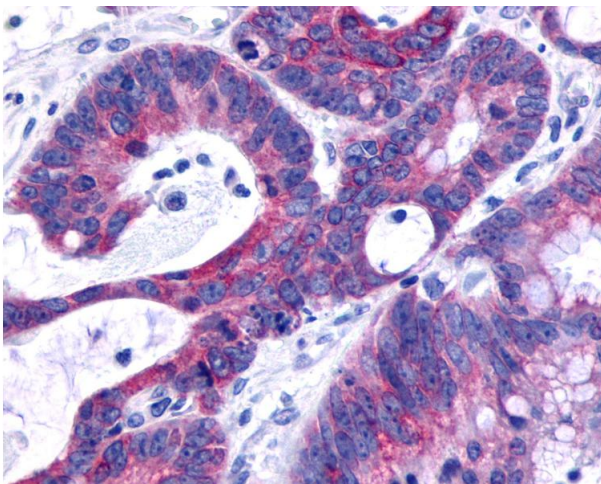
Expiry Date: 12 months

## Images



### Immunohistochemistry

**Image 1.** Anti-O3FAR1 / GPR120 antibody ABIN1049164 IHC staining of human small intestine, enterocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 2.** Anti-O3FAR1 / GPR120 antibody IHC of human Colon, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.