

Datasheet for ABIN1048627
anti-FZD7 antibody (N-Term)

2 Images

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Overview

| | |
|----------------------|---|
| Quantity: | 50 µg |
| Target: | FZD7 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Dog, Cow, Rabbit, Bat, Pig, Monkey, Hamster |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------|--|
| Brand: | IHC-plus™ |
| Immunogen: | Synthetic 20 amino acid peptide from N-terminal extracellular domain of human FZD7 / Frizzled 7. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bovine, Bat, Rabbit, Pig, Opossum (100%), Xenopus (90%), Turkey, Chicken (85%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human FZD7 / Frizzled 7. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except FZD1 (60 %), FZD2 (60 %). |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Bovine, Bat, Rabbit, Pig, Opossum (100%) Xenopus (90%) Turkey, Chicken (85%). |

Product Details

Purification: Immunoaffinity purified

Target Details

Target: FZD7

Alternative Name: FZD7 / Frizzled 7 ([FZD7 Products](#))

Background: Name/Gene ID: FZD7

Subfamily: Frizzled

Family: GPCR

Synonyms: FZD7, Frizzled family receptor 7, Frizzled homolog 7, Frizzled 7, Frizzled-7, FzE3, Fz-7, HFz7

Gene ID: 8324

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: Approved: IHC, IHC-P (4 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

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

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

| | |
|---------|--------|
| Format: | Liquid |
|---------|--------|

| | |
|----------------|--------------|
| Concentration: | Lot specific |
|----------------|--------------|

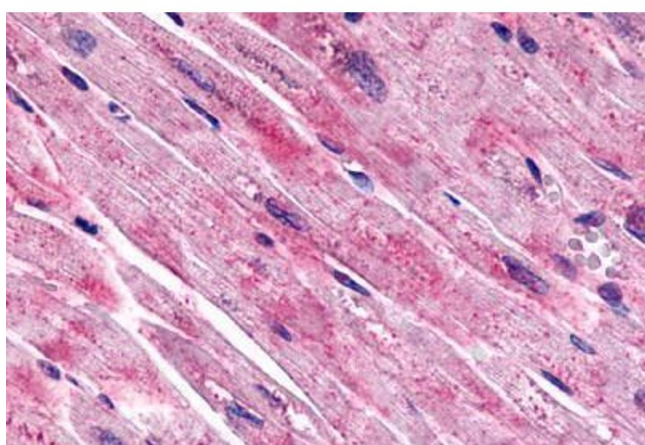
| | |
|---------|------------------------------------|
| Buffer: | PBS, less than 0.1 % sodium azide. |
|---------|------------------------------------|

| | |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

Handling

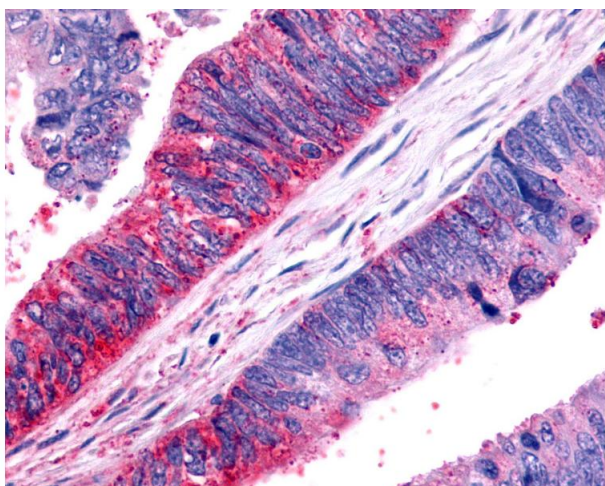
| | |
|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months |

Images



Immunohistochemistry

Image 1. Anti-FZD7 / Frizzled 7 antibody ABIN1048627 IHC staining of human heart, cardiac myocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-FZD7 / Frizzled 7 antibody IHC of human Colon, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.