

Datasheet for ABIN1048615
anti-FSHR antibody (N-Term)



[Go to Product page](#)

2 Images

Overview

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

Product Details

| | |
|-----------------------|---|
| Brand: | IHC-plus™ |
| Immunogen: | Synthetic 17 amino acid peptide from N-terminal extracellular domain of human FSHR. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%), Gibbon, Dog, Bat, Elephant, Rabbit, Horse, Pig, Guinea pig (94%), Bovine, Cat, Goat (88%), Mouse, Rat, Sheep (82%). Type of Immunogen: Synthetic peptide |
| Specificity: | Human FSHR. BLAST analysis of the peptide immunogen showed no homology with other human proteins. |
| Predicted Reactivity: | Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset (100%) Gibbon, Dog, Bat, Elephant, Rabbit, Horse, Pig, Guinea pig (94%) Bovine, Cat, Goat (88%) |

Product Details

Mouse, Rat, Sheep (82%).

Purification: Immunoaffinity purified

Target Details

Target: FSHR

Alternative Name: FSH Receptor / FSHR ([FSHR Products](#))

Background: Name/Gene ID: FSHR
Subfamily: Glycoprotein hormone
Family: GPCR

Synonyms: FSHR, Follitropin receptor, FSHRO, Ovarian dysgenesis 1, FSH receptor, FSH-R, LGR1, ODG1

Gene ID: 2492

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Regulation of Hormone Metabolic Process](#), [Platelet-derived growth Factor Receptor Signaling](#)

Application Details

Application Notes: Approved: IHC, IHC-P (10 - 20 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

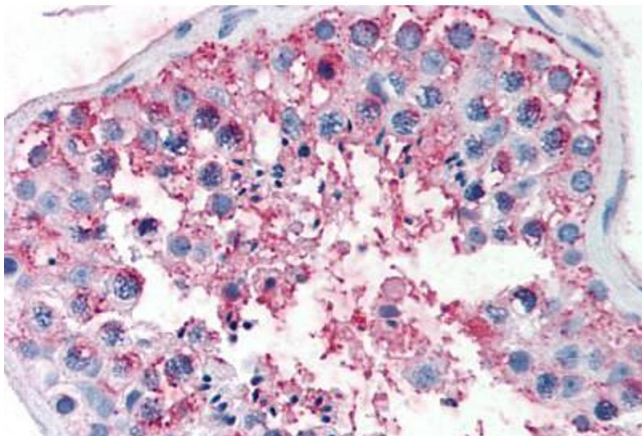
Handling

Format: Liquid

Handling

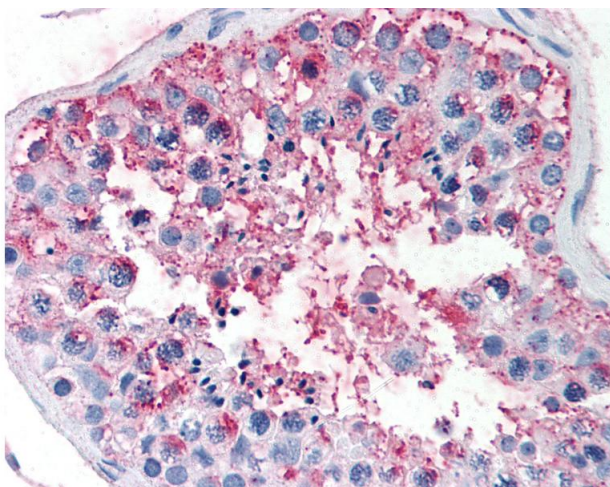
| | |
|--------------------|---|
| Concentration: | Lot specific |
| Buffer: | PBS, less than 0.1 % sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| 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-FSHR antibody ABIN1048615 IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-FSHR antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.