abcam

Product datasheet

# Anti-FSH-R antibody ab137695

3 References 1 Image

## Overview

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|---|---|
| **Product name** | Anti-FSH-R antibody |
| **Description** | Rabbit polyclonal to FSH-R |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** WB |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Synthetic peptide corresponding to Human FSH-R aa 631-695 (C terminal).<br>Database link: **P23945** |
| **Positive control** | A431, H1299, HeLa, HepG2 and Raji cells. |
| **General notes** | The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.<br>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

## Properties

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|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| **Storage buffer** | pH: 7.00<br>Preservative: 0.01% Thimerosal (merthiolate)<br>Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine) |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

## Applications

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|---|---|
| **The Abpromise guarantee** | Our **Abpromise guarantee** covers the use of ab137695 in the following tested applications. |

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **WB** | | 1/500 - 1/3000. Predicted molecular weight: 78 kDa. |

## Target

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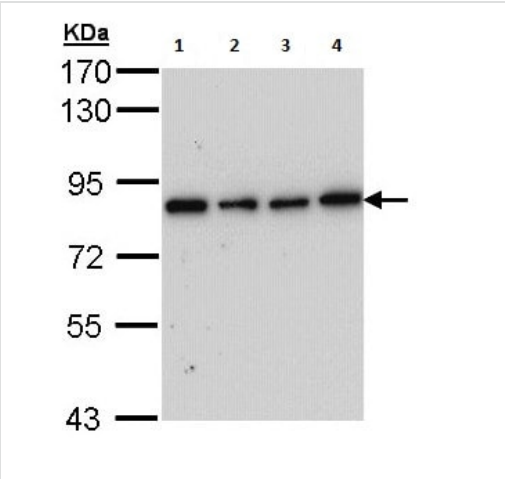
|---|---|
| **Function** | Receptor for follicle-stimulating hormone. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. |
| **Tissue specificity** | Sertoli cells and ovarian granulosa cells. |
| **Involvement in disease** | Defects in FSHR are a cause of ovarian dysgenesis type 1 (ODG1) [MIM:233300]; also known as premature ovarian failure or gonadal dysgenesis XX type or XX gonadal dysgenesis (XXGD) or hereditary hypergonadotropic ovarian failure or hypergonadotropic ovarian dysgenesis with normal karyotype. ODG1 is an autosomal recessive disease characterized by primary amenorrhea, variable development of secondary sex characteristics, and high serum levels of follicle-stimulating hormone (FSH) and luteinizing hormone (LH).<br>Defects in FSHR are a cause of ovarian hyperstimulation syndrome (OHSS) [MIM:608115]. OHSS is a disorder which occurs either spontaneously or most often as an iatrogenic complication of ovarian stimulation treatments for in vitro fertilization. The clinical manifestations vary from abdominal distention and discomfort to potentially life-threatening, massive ovarian enlargement and capillary leak with fluid sequestration. Pathologic features of this syndrome include the presence of multiple serous and hemorrhagic follicular cysts lined by luteinized cells, a condition called hyperreactio luteinalis. |
| **Sequence similarities** | Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily.<br>Contains 9 LRR (leucine-rich) repeats.<br>Contains 1 LRRNT domain. |
| **Post-translational modifications** | N-glycosylated; indirectly required for FSH-binding, possibly via a conformational change that allows high affinity binding of hormone. |
| **Cellular localization** | Cell membrane. |

## Images




Western blot - Anti-FSH-R antibody (ab137695)

**All lanes :** Anti-FSH-R antibody (ab137695) at 1/500 dilution

**Lane 1 :** Whole cell lysate prepared from A431 cells
**Lane 2 :** Whole cell lysate prepared from H1299 cells
**Lane 3 :** Whole cell lysate prepared from Hela cells
**Lane 4 :** Whole cell lysate prepared from HepG2 cells

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 78 kDa

7.5% SDS PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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