## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-FSH-R antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to FSH-R</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
</tbody>
</table>

**Immunogen**

Synthetic peptide corresponding to Human FSH-R (internal sequence).

**Positive control**

Transfected Jurkat and HUVEC cell extracts

**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.

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

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
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<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| Storage buffer     | pH: 7.40  
                          Preservative: 0.02% Sodium azide  
                          Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS  
                          Without Mg2+ and Ca2+ |
| Purity             | Immunogen affinity purified |
| Purification notes | Affinity purified from rabbit antiserum by affinity chromatography using epitope specific immunogen. |
| Clonality          | Polyclonal |
| Isotype            | IgG     |
The Abpromise guarantee

Our Abpromise guarantee covers the use of ab75200 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/500 - 1/1000. Predicted molecular weight: 78 kDa.</td>
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</table>

Target

**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 hypergonadotrophic ovarian failure or hypergonadotrophic 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).
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.
Contains 9 LRR (leucine-rich) repeats.
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.

Applications

The ab75200 antibody is predicted to recognize a single band of approximately 78 kDa in the following tested applications. Predicted band size: 78 kDa.

**WB**
1/500 - 1/1000. Predicted molecular weight: 78 kDa.
All lanes: Anti-FSH-R antibody (ab75200) at 1/500 dilution

Lane 1: Transfected Jurkat cell extract
Lane 2: Transfected HUVEC cell extract
Lane 3: Transfected Jurkat cell extract with immunising peptide at 10 µg

Lysates/proteins at 10 µg per lane.

Predicted band size: 78 kDa
Observed band size: 78 kDa
Additional bands at: 85 kDa. We are unsure as to the identity of these extra bands.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

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