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# FSH

Mouse Monoclonal antibody(Mab)
Catalog # AD80165

## Product Information

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|---|---|
| **Application** | IHC-P |
| **Primary Accession** | P23945 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Clone Names** | 265F3G3 |
| **Calculated MW** | 78238 |

## Additional Information

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| **Gene ID** | 2492 |
| **Gene Name** | FSHR |
| **Other Names** | Follicle-stimulating hormone receptor, FSH-R, Follitropin receptor, FSHR, LGR1 |
| **Dilution** | IHC-P~~Ready-to-use |
| **Storage** | Maintain refrigerated at 2-8°C. |
| **Precautions** | FSH Antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

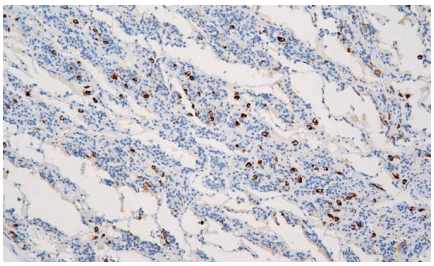
| | |
|---|---|
| **Name** | FSHR |
| **Synonyms** | LGR1 |
| **Function** | G protein-coupled receptor for follitropin, the follicle- stimulating hormone (PubMed:11847099, PubMed:24058690, PubMed:24692546). Mediates FSH signaling through cAMP/protein kinase A (PKA) and phosphatidylinositol-3 kinase (PI3K)/protein kinase B (AKT) pathways to regulate ovarian follicular development and steroidogenesis (PubMed:24058690). Has diverse extragonadal functions: signals via a GNAI2-coupled FSHR on osteoclasts and their precursors, resulting in activation of MEK/ERK, NF-kappa-B, and AKT pathways and thus increases osteoclastogenesis and bone resorption (By similarity). Regulates glucose-stimulated insulin secretion in pancreatic beta-cells in a bell curve manner, with moderate FSH levels promoting insulin secretion via Galphas/cAMP/PKA pathways while high FSH levels inhibit this effect through Galphai coupling (By similarity). In adipose tissue, inhibits thermogenesis by suppressing UCP1 expression and promotes lipogenesis via CREB/PPARgamma pathways (By similarity). Also affects hepatic cholesterol metabolism by increasing serum total and low-density- lipoprotein cholesterol (LDL-C) by inhibiting the expression of LDL receptor (LDLR) |

(PubMed:26583582).

**Cellular Location** Cell membrane; Multi-pass membrane protein

**Tissue Location** Sertoli cells and ovarian granulosa cells.

## Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human pituitary tissue was performed with FSH primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.