

Anti-FSH-Receptor (Ovarian Marker) Antibody
Mouse Monoclonal Antibody
Catalog # AH13247**Specification**

Anti-FSH-Receptor (Ovarian Marker) Antibody - Product Information

Application	IHC-P, IF, FC
Primary Accession	P23945
Other Accession	1428
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1
Calculated MW	78238

Anti-FSH-Receptor (Ovarian Marker) Antibody - Additional Information**Gene ID** 2492**Other Names**

Follicle-stimulating hormone receptor; Follitropin receptor; FSH receptor; FSH-R; FSHRO; LGR1; ODG1; ovarian dysgenesis 1

Application Note

IHC-P~~N/A
IF~~1:50~200
FC~~1:10~50

Format

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage

Store at 2 to 8°C. Antibody is stable for 24 months.

Precautions

Anti-FSH-Receptor (Ovarian Marker) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-FSH-Receptor (Ovarian Marker) Antibody - Protein Information**Name** FSHR**Synonyms** LGR1**Function**G protein-coupled receptor for follitropin, the follicle-stimulating hormone (PubMed:[11847099](http://www.uniprot.org/citations/11847099), PubMed:[24058690](http://www.uniprot.org/citations/24058690), PubMed:[24058690](http://www.uniprot.org/citations/24058690))

href="http://www.uniprot.org/citations/24692546" target="_blank">24692546). Through cAMP production activates the downstream PI3K-AKT and ERK1/ERK2 signaling pathways (PubMed:24058690).

Cellular Location

Cell membrane; Multi-pass membrane protein

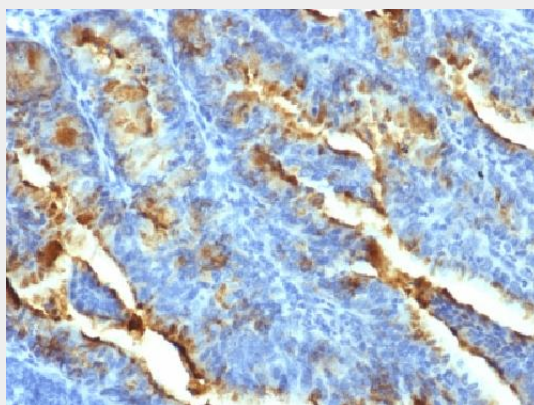
Tissue Location

Sertoli cells and ovarian granulosa cells.

Anti-FSH-Receptor (Ovarian Marker) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-FSH-Receptor (Ovarian Marker) Antibody - Images

Formalin-fixed, paraffin-embedded human Uterine Carcinoma stained with FSH Receptor Monoclonal Antibody (FSHR/1400).

Anti-FSH-Receptor (Ovarian Marker) Antibody - Background

Follicle-stimulating hormone receptor (FSHR) is a 695 amino acid G protein coupled receptor. FSH binds to the receptor in a hand-clasp fashion via its α and β subunits. While the α subunit of FSH is involved in the binding of FSH to the receptor, the β subunit stabilizes this interaction. Linkage studies suggest that a missense mutation in the FSHR gene can cause reduced FSH binding affinity and lead to a condition known as hypergonadotropic ovarian dysgenesis (ODG). In males however, this mutation does not appear to have a detrimental affect on fertility. It is believed that a mutation in the FSHR gene is also associated with ovarian hyperstimulation syndrome; a condition characterized by the presence of multiple serous and hemorrhagic follicular cysts lined by luteinized cells.