

# Anti-FSH receptor Antibody

## ER1909-08



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	WB, IHC-P, IF-Tissue, FC
<b>Molecular Wt:</b>	78 KDa

**Description:** The FSHR consists of 695 amino acids and has a molecular mass of about 76 kDa. Like other GPCRs, the FSH-receptor possesses seven membrane-spanning domains or transmembrane helices. The extracellular domain of the receptor contains 11 leucine-rich repeats and is glycosylated. It has two subdomains, a hormone-binding subdomain followed by a signal-specificity subdomain. The hormone-binding subdomain is responsible for the high-affinity hormone binding, and the signal-specificity subdomain, containing a sulfated tyrosine at position 335 (sTyr) in a hinge loop, is required for the hormone activity. The transmembrane domain contains two highly conserved cysteine residues that build disulfide bonds to stabilize the receptor structure. A highly conserved Asp-Arg-Tyr triplet motif is present in GPCR family members in general and may be of importance to transmit the signal. In FSHR and its closely related other glycoprotein hormone receptor members (LHR and TSHR), this conserved triplet motif is a variation Glu-Arg-Trp sequence.

**Immunogen:** KLH conjugated synthetic peptide derived from human FSH receptor 21-100/695

**Positive control:** Sertoli cells and ovarian granulosa cells.

**Subcellular location:** Cell membrane; Multi-pass membrane protein.

**Database links:** SwissProt: P23945 Human

**Recommended Dilutions:**

<b>WB</b>	1:500-2000
<b>IHC-P</b>	1:100-500
<b>IF-tissue</b>	1:100-500
<b>FC</b>	1ug/Test

**Storage Buffer:** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Storage Instruction:** Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Purity:** Protein A affinity purified.

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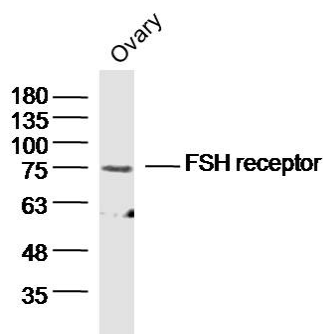
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Technical:0086-571-89986345

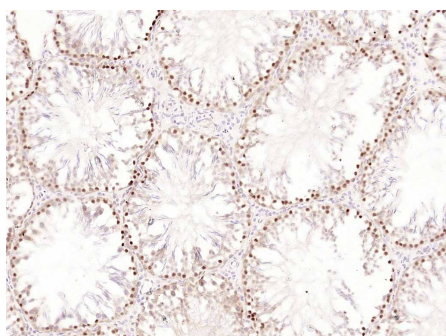
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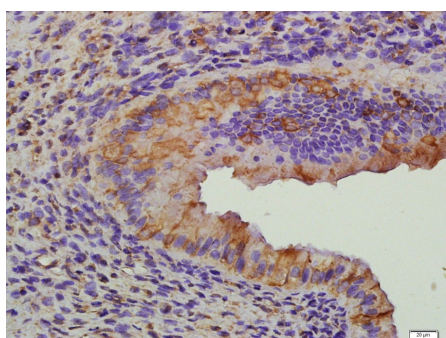
## Images



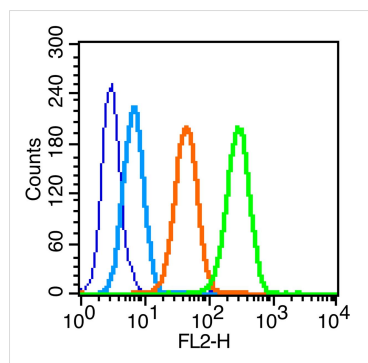
**Fig1:** Sample: Ovary (mouse) Lysate at 40 ug  
 Primary: Anti- FSH receptor (ER1909-08) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 78kD  
 Observed band size: 78kD



**Fig2:** Paraformaldehyde-fixed, paraffin embedded (rat testis);  
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CBFb) Polyclonal Antibody, Unconjugated (ER1909-08 ) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



**Fig3:** Paraformaldehyde-fixed, paraffin embedded (rat ovary);  
 Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FSH receptor ) Polyclonal Antibody, Unconjugated (ER1909-08) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



**Fig4:** Blank control (blue line): MCF7 (fixed with 70% methanol overnight at 4°C).  
 Primary Antibody (green line): Rabbit Anti-FSH receptor antibody (ER1909-08) ,Dilution: 0.2µg /10<sup>6</sup> cells;  
 Isotype Control Antibody (orange line): Rabbit IgG .  
 Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE,Dilution: 1µg /test.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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