

Anti-FSHR Antibody

Catalog # AP51214

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P23945
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78238

Additional Information

Gene ID	2492
Other Names	LGR1; Follicle-stimulating hormone receptor; FSH-R; Follitropin receptor
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FSHR. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

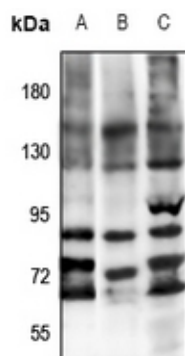
Name	FSHR
Synonyms	LGR1
Function	G protein-coupled receptor for follitropin, the follicle- stimulating hormone (PubMed: 11847099 , PubMed: 24058690 , PubMed: 24692546). Through cAMP production activates the downstream PI3K-AKT and ERK1/ERK2 signaling pathways (PubMed: 24058690).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Sertoli cells and ovarian granulosa cells.

References

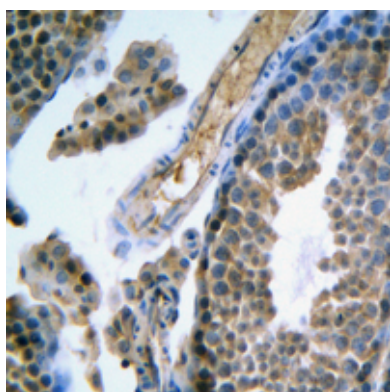
Minegish T.,et al.Biochem. Biophys. Res. Commun. 175:1125-1130(1991).

Tilly J.L.,et al.Endocrinology 131:799-806(1992).
Kelton C.A.,et al.Mol. Cell. Endocrinol. 89:141-151(1992).
Liu X.,et al.Submitted (MAY-2011) to the EMBL/GenBank/DDBJ databases.
Kopatz S.A.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.

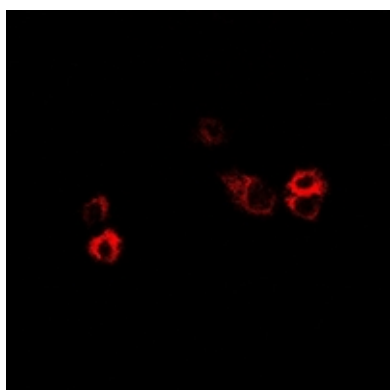
Images



Western blot analysis of FSHR expression in SKOVCA3 (A), rat testis (B), A2780 (C) whole cell lysates. (Predicted band size: 78 kD; Observed band size: 71; 75; 81 kD)



Immunohistochemical analysis of FSHR staining in human testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of FSHR staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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