Rabbit FSHR Polyclonal Antibody | anti-FSHR antibody

FSHR Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322108	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

FSHR; Polyclonal Antibody; FSHR Antibody; Follicle stimulating hormone receptor; Follicle stimulating hormone receptor isoform 1; Follicle-stimulating hormone receptor; Follitropin receptor; FSH receptor; FSH-R; Fshr; FSHR_HUMAN; FSHRO; LGR1; MGC141667; MGC141668; ODG1; ovarian dysgenesis 1; anti-FSHR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FSHR antibody detects endogenous levels of total FSHR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	695
Applicable Applications for anti-FSHR antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FSHR
Subcellular Location	Cell Membrane
Tissue Specificity	Sertoli cells and ovarian granulosa cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of FSHR expression in HUVEC cell extracts

IF (Immunofluorescence)
AAA322108 staining HUVEC by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

IHC (Immunohistochemistry)
AAA322108 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FSHR antibody	Function: Receptor for follicle-stimulating hormone or follitropin (PubMed:11847099, PubMed:24058690). The activity of this receptor is mediated by G proteins which activate adenylate cyclase (PubMed:11847099). Induces cAMP production through the activation of PI3K-AKT and SRC-ERK1/2 signaling pathways (PubMed:24058690). Subunit Structure: Interacts with ARRB2. Post-translational Modifications: Sulfated. N-glycosylated; indirectly required for FSH-binding, possibly via a conformational change that allows high affinity binding of hormone. Similarity: Belongs to the G-protein coupled receptor 1 family. FSH/LSH/TSH subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31657138
NCBI GeneID	2492
NCBI Accession #	NP_000136.2
NCBI GenBank Nucleotide #	NM_000145.3
UniProt Accession #	P23945; Q05AH0; Q16225; Q4QRJ3; Q4ZFZ2; Q53RW2; A0A0A0MSC5; A8K947; G5CBS7; G5E967; J3KQ00
Molecular Weight	Observed: 78 kDa Predicted: 79 kDa
NCBI Official Full Name	follicle-stimulating hormone receptor isoform 1
NCBI Official Synonym Full Names	follicle stimulating hormone receptor
NCBI Official Symbol	FSHR
NCBI Official Synonym Symbols	LGR1; ODG1; FSHR1; FSHRO
NCBI Protein Information	follicle-stimulating hormone receptor
UniProt Protein Name	Follicle-stimulating hormone receptor
UniProt Gene Name	**FSHR**
UniProt Synonym Gene Names	LGR1; FSH-R

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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