Datasheet for ABIN4886595

anti-FSHR antibody (AA 18-187)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	100 µg
Target:	FSHR
Binding Specificity:	AA 18-187
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Follicle-stimulating hormone receptor(FSH-R)(FSHR) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	E. coli-derived human FSH Receptor recombinant protein (Position: C18-N187). Human FSH Receptor shares 91.2% and 90% amino acid (aa) sequence identity with mouse and rat FSH Receptor, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Follicle-stimulating hormone receptor(FSH-R)(FSHR) detection. Tested with WB in Human,Mouse,Rat. Gene Name: follicle stimulating hormone receptor Protein Name: Follicle-stimulating hormone receptor(FSH-R)
Purification:	Immunogen affinity purified.

Target Details

Target:	FSHR
Alternative Name:	FSHR (FSHR Products)
Background:	The follicle-stimulating hormone receptor or FSH receptor (FSHR) is a transmembrane receptor that interacts with the follicle-stimulating hormone (FSH) and represents a G protein-coupled receptor (GPCR). This FSHR gene is mapped to chromosome 2p21 by fluorescence in situ hybridization. The protein encoded by this gene belongs to family 1 of G-protein coupled receptors. It is the receptor for follicle stimulating hormone and functions in gonad development. Mutations in this gene cause ovarian dysgenesis type 1, and also ovarian hyperstimulation syndrome. Alternative splicing results in multiple transcript variants. Synonyms: Follitropin receptor | FSH Receptor | FSHR | FSH-R | FSHReceptor | LGR1 | ODG1 | P23945
Gene ID:	2492
UniProt:	P23945
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Regulation of Hormone Metabolic Process, Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide

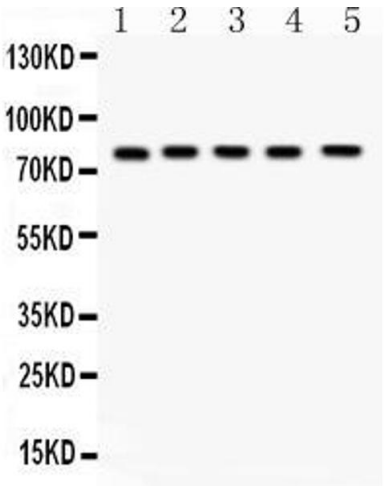
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Qu, Zhang, Du, Wang, Yang, Guo, Wang, Zhang, Xu: "Pim-3 is a Critical Risk Factor in Development and Prognosis of Prostate Cancer." in: **Medical science monitor : international medical journal of experimental and clinical research**, Vol. 22, pp. 4254-4260, (2017) (PubMed). Zhu, Liu, Wang, Nie, He, Zhang, Liu, Su: "Lentiviral-mediated growth-associated protein-43 modification of bone marrow mesenchymal stem cells improves traumatic optic neuropathy in rats." in: **Molecular medicine reports**, Vol. 12, Issue 4, pp. 5691-700, (2016) (PubMed). Cao, Li, Li, Xiong, Zhou, Fan, Yu, Mao: "The potential role of HMGB1 release in peritoneal dialysis-related peritonitis." in: **PLoS ONE**, Vol. 8, Issue 1, pp. e54647, (2013) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of FSH Receptor expression in rat testis extract (Lane 1), rat ovary extract (Lane 2), mouse testis extract (Lane 3) mouse ovary extract (Lane 4) and HELA whole cell lysates (Lane 5). FSH Receptor at 78KD was detected using rabbit anti- FSH Receptor Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).