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Product datasheet for CF501603

FSH beta (FSHB) Mouse Monoclonal Antibody [Clone ID: OTI3A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3A9
Applications:	FC, IF, WB
Recommended Dilution:	WB: 1:200 - 1:1000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FSHB (NP_001018090) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	12.4 kDa
Gene Name:	follicle stimulating hormone subunit beta
Database Link:	NP_001018090 Entrez Gene 2488 Human P01225

View online »

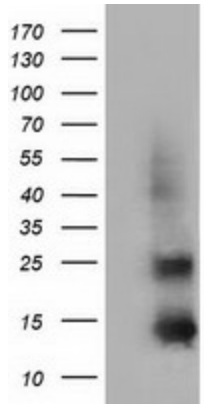
Background: The pituitary glycoprotein hormone family includes follicle-stimulating hormone, luteinizing hormone, chorionic gonadotropin, and thyroid-stimulating hormone. All of these glycoproteins consist of an identical alpha subunit and a hormone-specific beta subunit. This gene encodes the beta subunit of follicle-stimulating hormone. In conjunction with luteinizing hormone, follicle-stimulating hormone induces egg and sperm production. Alternative splicing results in two transcript variants encoding the same protein. [provided by RefSeq]

Synonyms: HH24

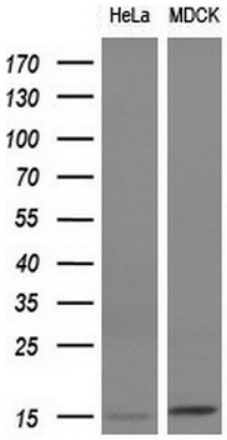
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: GnRH signaling pathway, Neuroactive ligand-receptor interaction

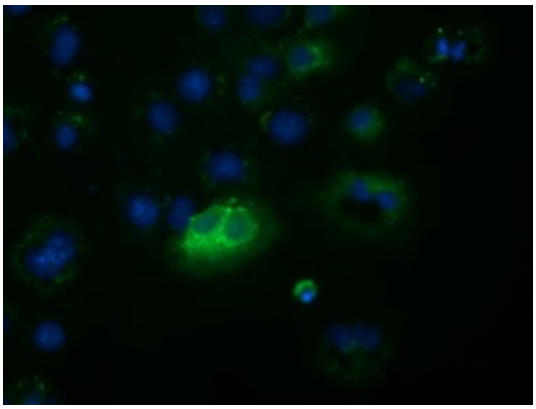
Product images:



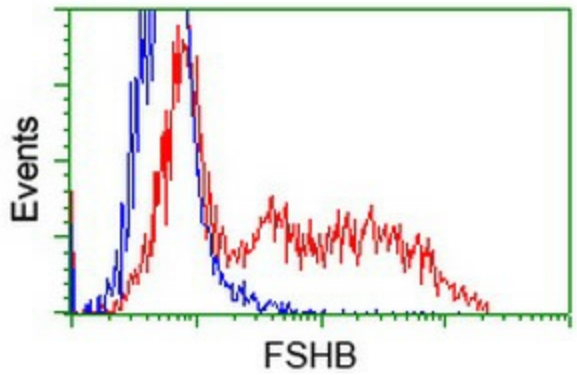
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FSHB (Cat# [RC214616], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FSHB(Cat# [TA501603]). Positive lysates [LY400397] (100ug) and [LC400397] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-FSHBmonoclonal antibody (1:200).



Anti-FSHB mouse monoclonal antibody ([TA501603]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FSHB ([RC214616]).



HEK293T cells transfected with either [RC214616] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FSHB antibody ([TA501603]), and then analyzed by flow cytometry.