

# FSHB/FSH Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP13055c

## Product Information

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<b>Application</b>	WB, FC, E
<b>Primary Accession</b>	<a href="#">P01225</a>
<b>Other Accession</b>	<a href="#">NP_001018090.1</a> , <a href="#">NP_000501.1</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB32962
<b>Calculated MW</b>	14700
<b>Antigen Region</b>	36-64

## Additional Information

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<b>Gene ID</b>	2488
<b>Other Names</b>	Follitropin subunit beta, Follicle-stimulating hormone beta subunit, FSH-B, FSH-beta, Follitropin beta chain, FSHB
<b>Target/Specificity</b>	This FSHB/FSH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-64 amino acids from the Central region of human FSHB/FSH.
<b>Dilution</b>	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	FSHB/FSH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FSHB
<b>Function</b>	Together with the alpha chain CGA constitutes follitropin, the follicle-stimulating hormone, and provides its biological specificity to the hormone heterodimer. Binds FSHR, a G protein-coupled receptor, on target

cells to activate downstream signaling pathways (PubMed:[24692546](#), PubMed:[2494176](#)). Follitropin is involved in follicle development and spermatogenesis in reproductive organs (PubMed:[407105](#), PubMed:[8220432](#)).

**Cellular Location**

Secreted. Note=Efficient secretion requires dimerization with CGA

**Background**

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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.

**References**

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- Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010)  
Corpuz, P.S., et al. Mol. Endocrinol. 24(5):1037-1051(2010)  
Grigorova, M., et al. J. Clin. Endocrinol. Metab. 95(1):100-108(2010)  
Ahn, J., et al. Hum. Mol. Genet. 18(19):3749-3757(2009)  
Chakrabarti, B., et al. Autism Res 2(3):157-177(2009)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.