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FSHB/FSH Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13055c

Specification

FSHB/FSH Antibody (Center) - Product Information

Application	**WB, FC,E**
Primary Accession	P01225
Other Accession	NP_001018090.1, NP_000501.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**14700**
Antigen Region	**36-64**

FSHB/FSH Antibody (Center) - Additional Information

Gene ID 2488

Other Names
Follitropin subunit beta, Follicle-stimulating hormone beta subunit, FSH-B, FSH-beta, Follitropin beta chain, FSHB

Target/Specificity
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.

Dilution
WB~~1:1000
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
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.

Precautions
FSHB/FSH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FSHB/FSH Antibody (Center) - Protein Information

Name FSHB

Function 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).

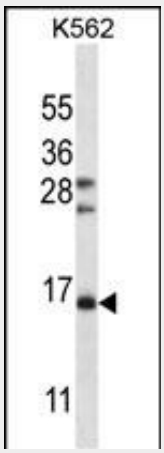
Cellular Location
Secreted. Note=Efficient secretion requires dimerization with CGA

FSHB/FSH Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FSHB/FSH Antibody (Center) - Images



FSHB/FSH Antibody (Center) (Cat. #AP13055c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the FSHB/FSH antibody detected the FSHB/FSH protein (arrow).

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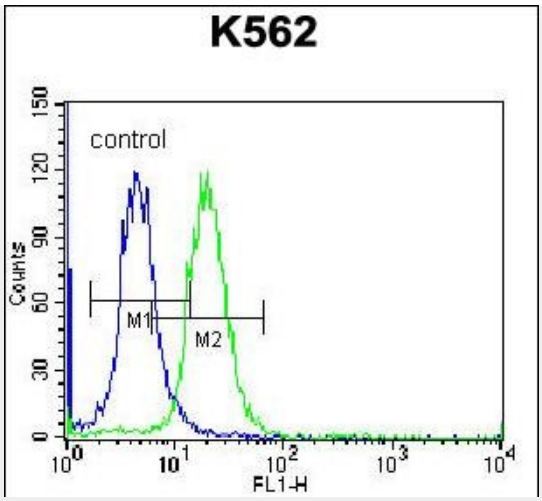

FSHB/FSH Antibody (Center) (Cat. #AP13055c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.

FSHB/FSH Antibody (Center) - 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.

FSHB/FSH Antibody (Center) - References

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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)