

FSHB/FSH Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13591c**Specification****FSHB/FSH Antibody (Center) Blocking peptide -
Product Information**Primary Accession [P01225](#)**FSHB/FSH Antibody (Center) Blocking peptide -
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

The synthetic peptide sequence used to generate the antibody AP13591c was selected from the Center region of FSHB/FSH. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**FSHB/FSH Antibody (Center) Blocking peptide -
Protein Information****Name FSHB****Function****FSHB/FSH Antibody (Center) Blocking peptide - 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) Blocking peptide - References

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)

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:2494176, PubMed:24692546). 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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)