

# Anti-FSH Beta Picoband Antibody

Catalog # ABO11813

## Product Information

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|--------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC-P                                                                                                          |
| <b>Primary Accession</b> | <a href="#">P01225</a>                                                                                             |
| <b>Host</b>              | Rabbit                                                                                                             |
| <b>Reactivity</b>        | Human, Mouse                                                                                                       |
| <b>Clonality</b>         | Polyclonal                                                                                                         |
| <b>Format</b>            | Lyophilized                                                                                                        |
| <b>Description</b>       | Rabbit IgG polyclonal antibody for Follitropin subunit beta(FSHB) detection. Tested with WB, IHC-P in Human;Mouse. |

**Reconstitution** Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## 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>Calculated MW</b>            | 14700                                                                                                                                                                                   |
| <b>Application Details</b>      | Immunohistochemistry(Paraffin-embedded Section), 0.5-1 $\mu$ g/ml, Human, Mouse, By Heat<br>Western blot, 0.1-0.5 $\mu$ g/ml, Human                                                     |
| <b>Subcellular Localization</b> | Secreted.                                                                                                                                                                               |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                               |
| <b>Protein Name</b>             | Follitropin subunit beta                                                                                                                                                                |
| <b>Contents</b>                 | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> .                                                                              |
| <b>Immunogen</b>                | E.coli-derived human FSH beta recombinant protein (Position: N19-E129). Human FSH beta shares 90% and 89% amino acid (aa) sequences identity with mouse and rat FSH beta, respectively. |
| <b>Purification</b>             | Immunogen affinity purified.                                                                                                                                                            |
| <b>Cross Reactivity</b>         | No cross reactivity with other proteins                                                                                                                                                 |
| <b>Storage</b>                  | 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.       |

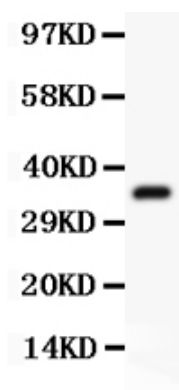
## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: <a href="#">24692546</a> , PubMed: <a href="#">2494176</a> ). Follitropin is involved in follicle development and spermatogenesis in reproductive organs (PubMed: <a href="#">407105</a> , PubMed: <a href="#">8220432</a> ). |
| Cellular Location | Secreted. Note=Efficient secretion requires dimerization with CGA                                                                                                                                                                                                                                                                                                                                                                                                                                           |

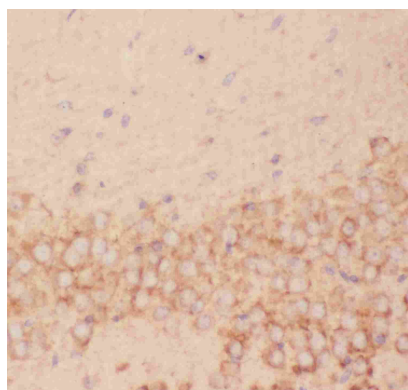
## Background

FSHB, also known as Follitropin subunit beta, is a protein that in humans is encoded by the FSHB gene, and this gene is mapped to 11p14.1. FSHB enables ovarian folliculogenesis to the antral follicle stage and is essential for Sertoli cell proliferation and maintenance of sperm quality in the testis. It can stimulate development of follicle and spermatogenesis in the reproductive organs. This gene encodes the beta subunit of follicle-stimulating hormone. In conjunction with luteinizing hormone, follicle-stimulating hormone induces egg and sperm production.

## Images

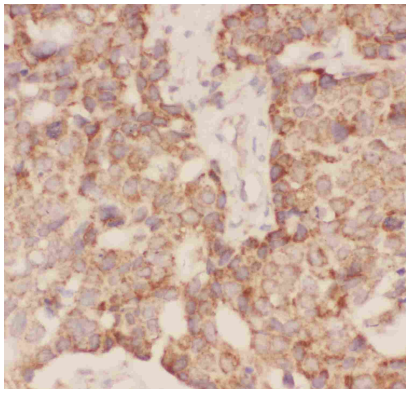


Anti-FSH beta Picoband antibody, ABO11813-1.jpgAll lanes: Anti FSH beta(ABO11813) at 0.5ug/mlWB: Recombinant Human FSH beta Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD



Anti-FSH beta Picoband antibody, ABO11813-1.jpgIHC(P): Mouse Brain Tissue

Anti-FSH beta Picoband antibody, ABO11813-1.jpgIHC(P): Human Mammary Cancer Tissue



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