

**Anti-FSH Beta Picoband Antibody**  
Catalog # ABO11813**Specification****Anti-FSH Beta Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P01225</a>
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Format	Lyophilized

**Description**

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.

**Anti-FSH Beta Picoband Antibody - Additional Information**

**Gene ID** 2488

**Other Names**

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

**Calculated MW**

14700 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Secreted.

**Protein Name**

Follitropin subunit beta

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

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.

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins

### Storage

**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.**

### Sequence Similarities

Belongs to the glycoprotein hormones subunit beta family.

## Anti-FSH Beta Picoband Antibody - 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="http://www.uniprot.org/citations/24692546" target="\_blank">24692546</a>, PubMed:<a href="http://www.uniprot.org/citations/2494176" target="\_blank">2494176</a>). Follitropin is involved in follicle development and spermatogenesis in reproductive organs (PubMed:<a href="http://www.uniprot.org/citations/407105" target="\_blank">407105</a>, PubMed:<a href="http://www.uniprot.org/citations/8220432" target="\_blank">8220432</a>).

### Cellular Location

Secreted. Note=Efficient secretion requires dimerization with CGA

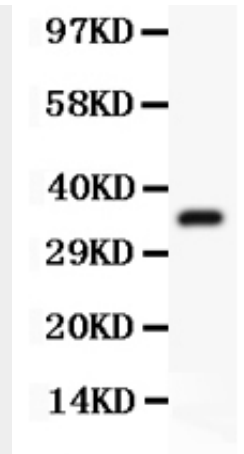
## Anti-FSH Beta Picoband Antibody - Protocols

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

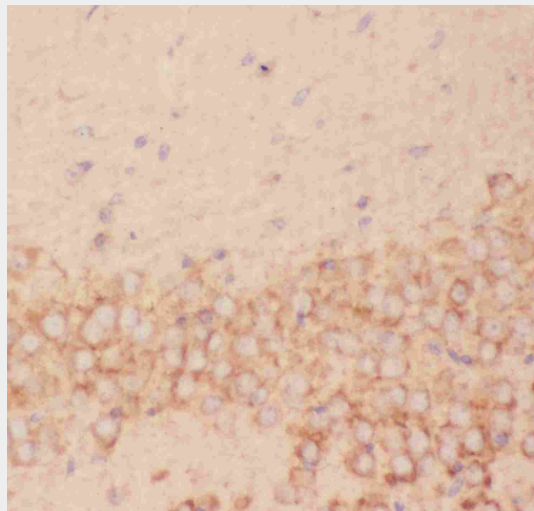
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-FSH Beta Picoband Antibody - Images

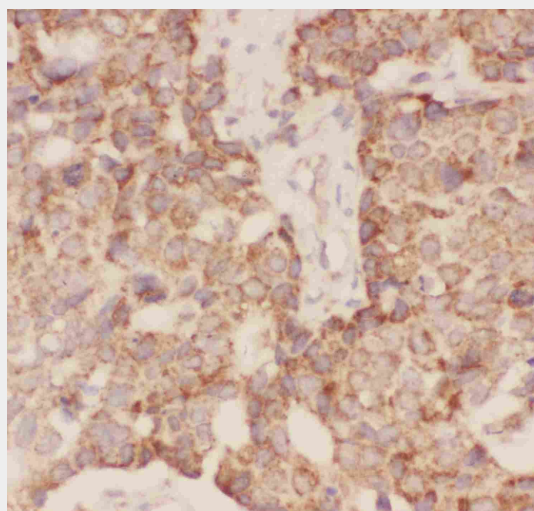




Anti-FSH beta Picoband antibody, ABO11813-1.jpg All lanes: Anti FSH beta (ABO11813) at 0.5ug/ml  
WB: Recombinant Human FSH beta Protein 0.5ng  
Predicted bind size: 36KD  
Observed bind size: 36KD



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



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

**Anti-FSH Beta Picoband Antibody - 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.