10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-FSH Beta Picoband Antibody

Catalog # ABO11813

Specification

Anti-FSH Beta Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P01225
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
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted.

Protein Name
Follitropin subunit beta

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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: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

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 Cytomety
- Cell Culture

Anti-FSH Beta Picoband Antibody - Images

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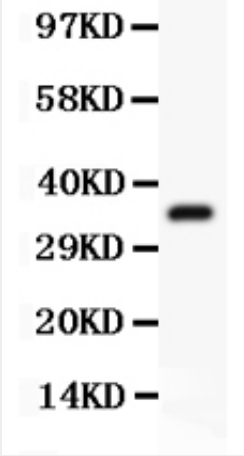
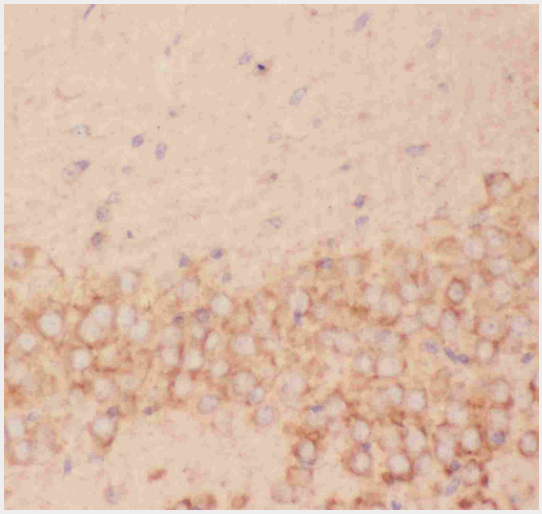
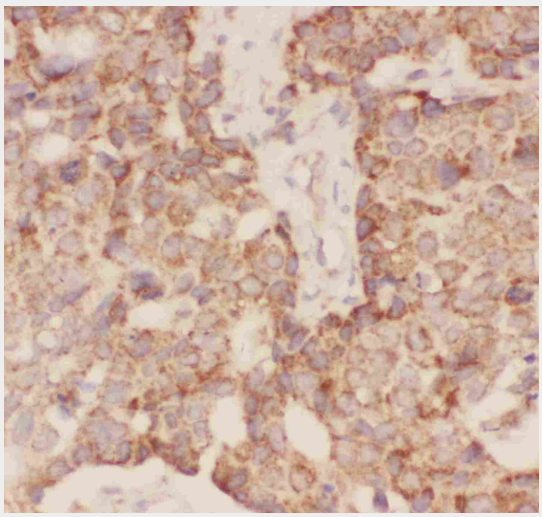


Anti-FSH beta Picoband antibody, ABO11813-1.jpgAll lanes: Anti FSH beta(ABO11813) at 0.5ug/mlWB: Recombinant Human FSH beta Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD



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

Anti-FSH Beta Picoband Antibody - Background

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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.