


FSH-beta (Follicle Stimulating Hormone-beta); Clone FSHb/1062 (Concentrate)

Availability/Contents:	<u>Item #</u>	<u>Volume</u>
	RA0435-C.1	0.1 ml
	RA0435-C.5	0.5 ml
	RA0435-C1	1 ml

Description:

Species:	Mouse
Immunogen:	Recombinant hFSH beta subunit
Clone:	FSHb/1062
Isotype:	IgG1, kappa
Entrez Gene ID:	2488 (Human)
Hu Chromosome Loc.:	11p13
Synonyms:	Follicle stimulating hormone beta polypeptide; Follicle stimulating hormone beta subunit; Follicotropin beta chain; Follicotropin subunit beta; FSH-B; FSH-beta; FSHB; FSHbeta.
Mol. Weight of Antigen:	22kDa
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	This antibody reacts with a protein of 22kDa, identified as the beta subunit of Follicle Stimulating Hormone (FSH). It does not cross react with the alpha subunit.
Background:	FSH is a hormone synthesized and secreted by gonadotrophs in the anterior pituitary gland. In the ovary, FSH stimulates the growth of immature Graafian follicles to maturation. As the follicle grows, it releases inhibin, which deactivates the FSH production. In men, FSH enhances the production of androgen-binding protein by the Sertoli cells of the testis and is critical for spermatogenesis. FSH and LH act synergistically in reproduction. FSH is a useful marker in the classification of pituitary tumors and in the study of pituitary disease.
Species Reactivity:	Human. Others not known.
Positive Control:	Anterior Pituitary
Cellular Localization:	Cytoplasmic, secreted
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml
Microbiological State:	This product is not sterile.

Storage: 2° C  8° C

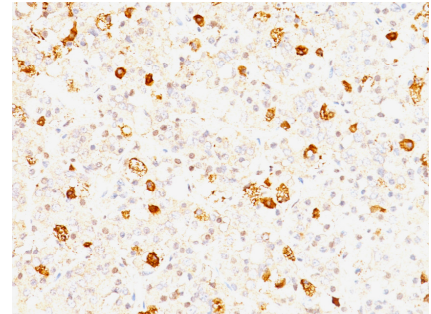


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CE

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Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Ordering Information and Current Pricing at www.scytek.com

Formalin-fixed, paraffin-embedded human pituitary stained with FSH-beta; Clone FSHb/1062.

Procedure:

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


References:

1. Schmidt M et al. Pathol Res Pract. 2001; 197(10):663-9.
2. La Rosa S et al. Virchows Arch. 2000 Sep; 437(3):264-9.
3. Zheng W et al. Gynecol Oncol. 2000 Jan; 76(1):80-8.


Warranty:

No products or “Instructions For Use (IFU)” are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

Storage: 2° C  8° C

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