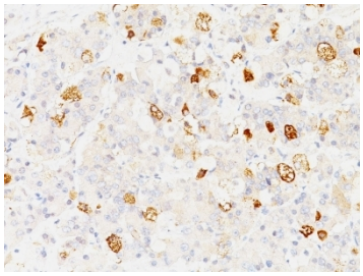
FSH-beta Antibody SPM107 / Mouse Monoclonal [clone SPM107] (V2510)

Catalog No.	Formulation	Size
V2510-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2510-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2510SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2510IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Citations (1)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM107
Purity	Protein G affinity chromatography
UniProt	P01225
Localization	Cytoplasmic, secreted
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1) (2)
Limitations	This FSH-beta Antibody SPM107 is available for research use only.



FSH-beta Antibody SPM107 Endocrine Cell Marker IHC. Immunohistochemical analysis of FFPE human pituitary using monoclonal clone SPM107 reveals punctate cytoplasmic HRP-DAB brown staining localized to dispersed endocrine cells within the adenohypophysis. The staining pattern is characteristic of secretory gonadotroph cells expressing Follicle stimulating hormone beta / FSHB.

Description

FSH-beta Antibody SPM107 reacts with a protein of 22kDa, identified as beta sub-unit of FSH. It does not cross react with the alpha sub-unit. Follicle stimulating hormone (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 the study of pituitary disease.

For additional reproductive hormone and pituitary signaling research antibodies targeting gonadotroph markers and endocrine-associated cellular pathways, explore the broader FSHB Antibody page featuring monoclonal clone FLTPb-1.

Application Notes

Optimal dilution of the FSH-beta Antibody SPM107 should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Full length purified hFSH was used as the immunogen for the FSH-beta antibody.

Storage

Store the FSH-beta antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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