

Mouse Anti-LHRH Receptor/GnRHR [F1G4]: MC0833, MC0833RTU7

Intended Use: For Research Use Only

Description: Gonadotropin-releasing hormone (GnRH) is released in a pulsatile manner that varies with the reproductive cycle. This hypothalamic hormone is transported to the pituitary, where it binds to specific receptors and regulates the synthesis and release of luteinizing hormone (LH) and follicle-stimulating hormone (FSH). The GnRH receptor (GnRHR), like most G protein-coupled receptors, contains a seven transmembrane domain. However, unlike most G protein-coupled receptors, the GnRHR lacks an intracellular C-terminal domain. The GnRHR gene is thought to be regulated by GnRH and activin A, and has been shown to undergo alternative splicing.

Specifications

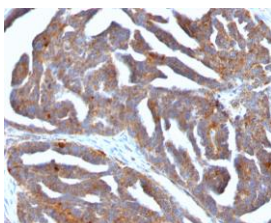
Clone: F1G4 same as GNRH03
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., IF, WB
 Package:

Description	Catalog No.	Size
LHRH Receptor/GnRHR Concentrated	MC0833	1 ml
LHRH Receptor/GnRHR Prediluted	MC0833RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Anterior pituitary
 Concentrated Dilution: 50-200
 Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human ovarian tumor stained with anti-GnRHR using DAB

References:

1. Prevalence of CTNNB1 mutations in primary aldosteronism and consequences for clinical outcomes. Wu VC, et al. The Sci Rep 7:39121, 2017.
2. Expression of hypothalamic-pituitary-gonadal axis-related hormone receptors in low-grade serous ovarian cancer (LGSC). Feng Z, et al. J Ovarian Res 10:7, 2017.
3. Hormone receptor expression profiles differ between primary and recurrent high-grade serous ovarian cancers. Feng Z, et al. Oncotarget 8:32848-32855, 2017.