

Mouse Anti-SF1/Steroidogenic factor-1 [A1]: MC0210, MC0210RTU7

Intended Use: For Research Use Only

Description: Steroidogenic factor-1 (SF1), also known as NR5A1, regulates multiple genes involved in the adrenal and gonadal development and in the biosynthesis of a variety of hormones, including adrenal and gonadal steroids, anti-Mullerian hormone (AMH), and gonadotropins. SF1 belongs to the fushi tarazu factor-1 (FTZ-F1) subfamily of orphan nuclear receptors. In the adult ovary, SF1 localizes to theca/interstitial cells. Overexpression or overactivity of SF1 is also reported in some adrenal tumors or endometriosis. Therefore, the spectrum of phenotypes associated with variations in SF1 is expanding and the importance of this nuclear receptor in human endocrine disease is now firmly established.

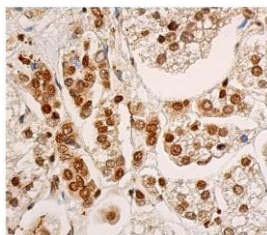
Specifications:

Clone: A1
Source: Mouse
Isotype: IgG2a/k
Reactivity: Human, mouse, rat
Localization: Nucleus
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, ELISA, ICC/IF, IP, WB
Package:

Description	Catalog No.	Size
SF1/Steroidogenic factor-1 Concentrated	MC0210	1 ml
SF1/Steroidogenic factor-1 Prediluted	MC0210RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Testis; ovary; thymus
Concentrated Dilution: 20-200
Pretreatment: Citrate pH6.0 or 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 adrenal gland tissue stained with anti-SF1 using DAB

References:

1. Changes in the expression profiles of claudins during gonocyte differentiation and in seminomas. Manku, G. et al. *Andrology*. 4: 95-110, 2016.
2. Dibutyl Phthalate Inhibits the Effects of Follicle-Stimulating Hormone on Rat Granulosa Cells Through Down-Regulation of Follicle-Stimulating Hormone Receptor. Wang, XJ. et al. *Biology of reproduction*, 2016.
3. Early methyl donor deficiency alters cAMP signaling pathway and neurosteroidogenesis in the cerebellum of female rat pups. El Hajj Chehadeh S, et al. *Am J Physiol Endocrinol Metab* 307:E1009-19, 2014.
4. The orphan nuclear receptor Nr5a2 is essential for luteinization in the female mouse ovary. Bertolin K, et al. *Endocrinology* 155:1931-43, 2014.

Doc. 100-MC0210
Rev. A