
Steroidogenic Factor -1(SF-1) (Clone N1665) Mouse Monoclonal Antibody

Specificity: Human, rat. Others not known

Immunogen: Synthesized peptide corresponding to amino acids 220 – 461 SF-1 protein

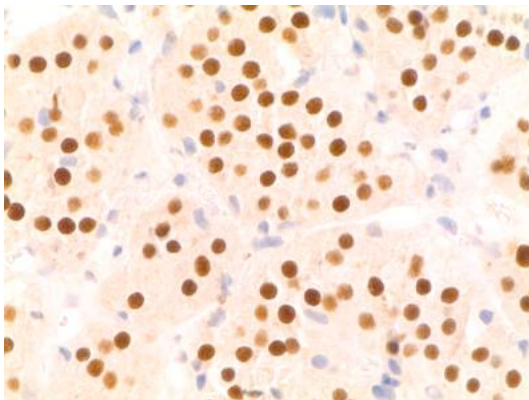
Ig Class: IgG1

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50; *Positive Control:* adrenal cortical carcinoma. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

Description: Steroidogenic Factor 1 (SF-1) is considered an orphan nuclear receptor that belongs to subfamily 5. It was found to be a regulator of steroidogenic enzyme gene expression. Oxysterols are suggested as its ligands. It is expressed in all steroidogenic tissues, including the adrenal cortex, testicular Sertoli cells, and Leydig cells, ovarian theca, hypothalamus, and anterior pituitary. SF-1 plays an important role in adrenal and gonadal development. SF-1 is highly valuable marker to determine the adrenocortical origin of an adrenal mass.

Supplied As: Purified antibody in 0.2% BSA and 15mM sodium azide.



References:

1. Zhao C, Vinh TN, et al. *Am J Surg Pathol.* 2009; 33:354-66.
2. Sangoi AR, et al. *Am J Surg Pathol.* 2011; 35:678-86.
3. McCluggage WG, et al. *Am J Surg Pathol.* 2013; 37:1458-9.

Formalin-fixed, paraffin-embedded human adrenal gland stained with anti-SF-1 antibody using peroxidase-conjugate and DAB chromogen. Note nuclear staining of cortical cells

Cat. #Z2223 (1.0 ml)

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