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Anti human SF-1 mouse monoclonal antibody (Protein A purified)

SF-1: Steroidogenic factor 1

Code No.	PP-N1665-0C
Clone No.	N1665
RRID	AB_3753408
Isotype	IgG1
Host	mouse
Conjugate	none
Alias	NR5A1, AD4BP, ELP, FTZ1, FTZF1, SF1
UniProt ID	Q13285
Entrez Gene ID	2516 (human)
Specificity	This antibody specifically recognizes human SF-1 and cross-reacts with mouse and rat SF-1.
Immunogen	*E. coli*-expressed recombinant human SF-1 (218–461 aa).
Concentration	1 mg/mL
Volume	100 µL
Formulation	Physiological saline with 0.1% sodium azide as a preservative.
Purification	Protein A affinity chromatography
Origin	Produced in serum-free medium using a hybridoma generated by fusion of mouse myeloma cells (NS-1) with splenocytes from a BALB/c mouse immunized with *E. coli*-expressed recombinant human SF-1 (218–461 aa).
Storage	Store at 2–8°C for up to one month. For long-term storage, aliquot and store at –20°C or below. Repeated freezing and thawing should be avoided, as it may cause degradation and result in reduced performance.
Notes	Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

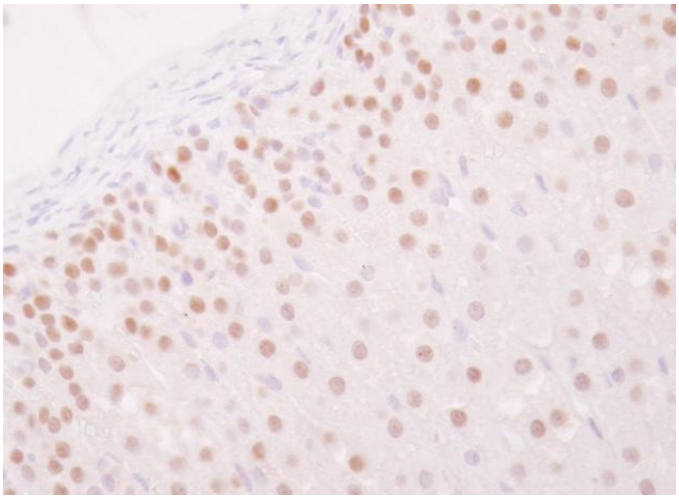
Application	Recommended Conc. *	Data †	References ‡
ChIP (Chromatin immunoprecipitation)	—	—	11
IHC-P (Immunohistochemistry-Paraffin)	10 µg/mL	Fig. 1	5,7,8,9,12,14,16,22
IHC-P (IF) (Immunohistochemistry-Paraffin, Immunofluo.)	—	—	21,23
IHC-Fr (IF) (Immunohistochemistry-Frozen, Immunofluo.)	—	—	15,18,20,21
ICC-IF (Immunocytochemistry, Immunofluorescence)	—	—	24
IP (Immunoprecipitation)	decide by use	—	—
ELISA	0.1 µg/mL	Fig. 2	—
WB (Western Blot)	3 µg/mL	—	2,6
WB (Western Blot- Non-Reducing)	3 µg/mL	—	—

* : Optimal dilutions/concentrations should be determined by the user.
† : Data figures are shown on page 2.
‡ : References are listed on page 3.

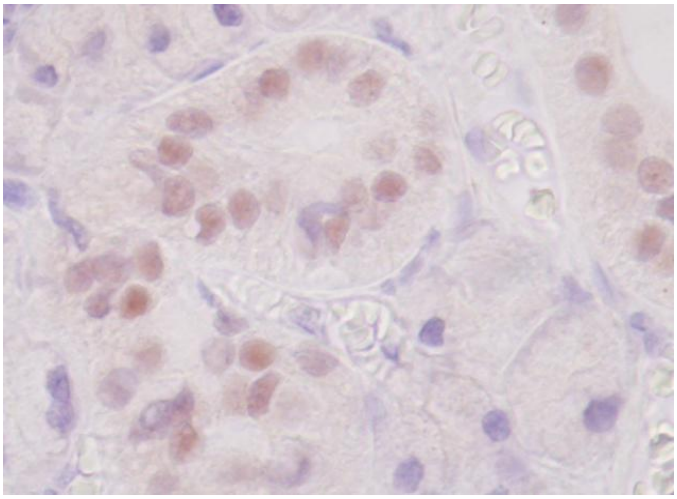
Full online PDF datasheet available here

Application Data

Fig. 1 IHC-P (Immunohistochemistry-Paraffin)



Rat adrenal gland



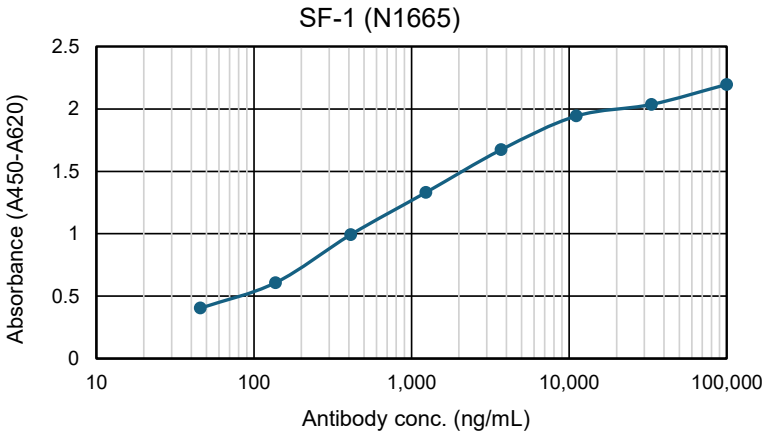
Rat Salivary gland

Section : Paraffin, Fixation : 10% formalin-fixed in immersion

Activation : Autoclave (121°C, 15min), Blocking with 3% H_2O_2 in methanol

Primary Antibody : PP-N1665-0C 3–20 µg/mL

Fig. 2 Antigen-coated ELISA



Wells were coated with **human SF-1 (218–461 aa; expressed in *E. coli*)** at 10 µg/well overnight at 4°C. After blocking with non-fat dry milk for 1 h at room temperature (RT) and washing, serially diluted **anti-SF-1 antibody (N1665)** solutions were added to each well and incubated at RT. The plate was washed, incubated with HRP-conjugated anti-mouse IgG (1:15,000) at RT, washed again, and visualized with TMB reagent.

References

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