

Anti human SF-1 mouse monoclonal antibody(ProteinA purified)

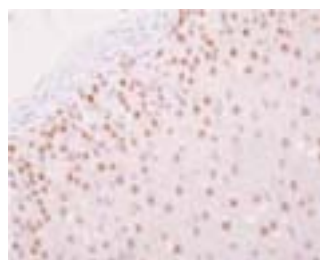
SF-1: Steroidogenic factor 1

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|---------------|--|
| Code No | PP-N1665-0C |
| Clone No. | N1665 |
| Lot. | B-1 |
| Concentration | 1 mg/mL |
| Volume | 100 uL |
| Ig Class | G1 |
| Description | SF-1 (AD4BP, FTZF1, NR5A1) is still considered as an orphan nuclear receptor belongs to subfamily 5. It was found as a regulator of steroidogenic enzyme gene expression. Oxysterols are suggested as ligands. Its expressed in all steroidogenic tissues, including adrenal cortex, testicular Sertoli cells and Leydig cells, ovarian theca, hypothalamus and anterior pituitary. SF1 plays an important role in adrenal and gonadal development, such as hypothalamic-pituitary-gonadal axis and sex determination. |
| Nomenclature | NR5A1 |
| Genbank | U76388 |
| Origin | Produced in serum-free medium with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with E.coli-expressed recombinant human SF-1(218-461aa) |
| Specificity | This antibody specifically recognizes human SF-1 and cross reacts with mouse and rat SF-1. |
| Purification | Affinity chromatography with Protein A. |
| Formulation | Physiologic saline with 0.1 % NaN ₃ . |

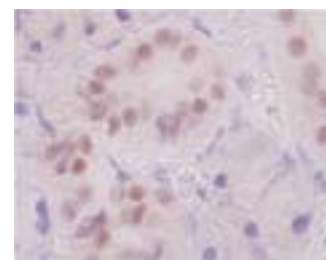
Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

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|-------------------------------|----------------------|
| Western Blot | 3 ug/mL |
| Non reducing Western Blot | 3 ug/mL |
| ELISA | 0.1 ug/mL (A450=1.0) |
| Immunoprecipitation | Decide by use |
| Supershift Assay | Not yet tested |
| Chromatin immunoprecipitation | Not yet tested |
| Immunohistochemistry | 10 ug/mL |



Rat
Adrenal gland
paraffin section



Rat
Salivary gland
paraffin section

| | |
|-----------|---|
| Storage | Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended. |
| Reference | Suh JM, <i>et al.</i> Mol Endocrinol. 2006; 20(12): 3412-20 Qin J, <i>et al.</i> Dev Dyn. 2007; 236(3): 810-20 |

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| Notes | Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal. |
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MADE IN JAPAN

Oct 17, 2018