

## Product Datasheet

# Recombinant SF-1 Antibody / Steroidogenic Factor 1 / NR5A1 (orb2635645)

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>      | orb2635645                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>         | 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. |
| <b>Species/Host</b>        | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tested Applications</b> | IHC-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>           | A recombinant fragment of human SF-1 protein was used as the immunogen for the recombinant SF-1 antibody.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Note</b>                | For research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Application notes</b>   | Optimal dilution of the recombinant SF-1 antibody should be determined by the researcher.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formula</b>             | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>             | Rabbit IgG, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Clonality</b>           | Recombinant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

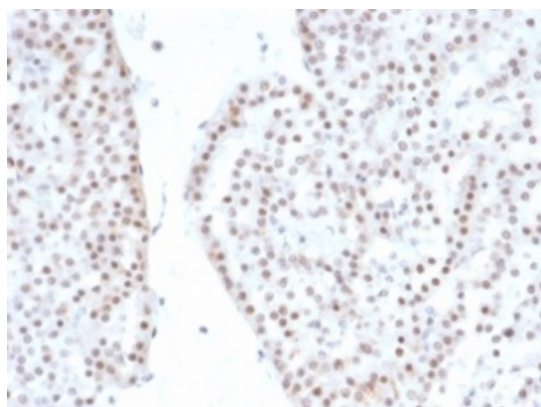
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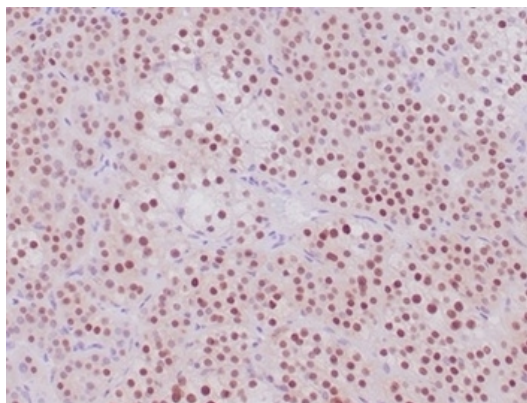
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|                           |                                                                    |
|---------------------------|--------------------------------------------------------------------|
| <b>Clone Number</b>       | NR5A1/4368R                                                        |
| <b>Antibody Type</b>      | Primary Antibody                                                   |
| <b>Uniprot ID</b>         | <b>Q13285</b>                                                      |
| <b>Hazard Information</b> | This recombinant SF-1 antibody is available for research use only. |
| <b>Dilution Range</b>     | Immunohistochemistry (FFPE): 1-2ug/ml                              |
| <b>Expiration Date</b>    | 12 months from date of receipt.                                    |



IHC staining of FFPE human renal oncocytoma with recombinant SF-1 antibody (clone NR5A1/4368R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human adrenal cortical tumor tissue with recombinant SF-1 antibody (clone NR5A1/4368R). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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