

## Recombinant Steroidogenic Factor 1 (SF-1) Antibody

Rabbit Monoclonal Antibody [Clone NR5A1/4368R]

Catalog No	Format	Size
2516-RBM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2516-RBM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2516-RBM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

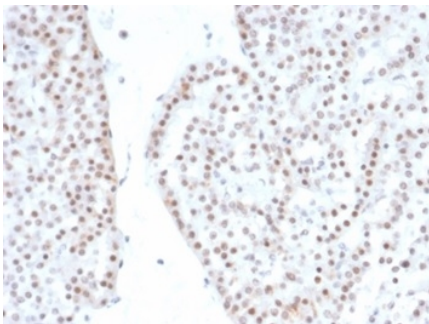
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

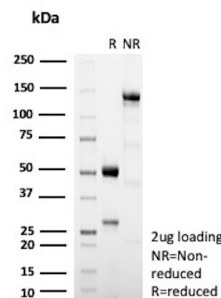
<b>Clone</b>	NR5A1/4368R
<b>Gene Name</b>	NR5A1
<b>Immunogen</b>	Recombinant fragment of human SF-1 protein (exact sequence is proprietary)
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG / Kappa
<b>Mol. Weight of Antigen</b>	53kDa.
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human, Rat
<b>Positive Control</b>	Human testis or adrenal cortical carcinoma.

\*Optimal dilution for a specific application should be determined.

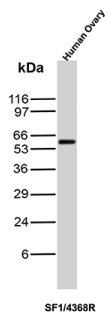
### Product Images for Recombinant Steroidogenic Factor 1 (SF-1) Antibody



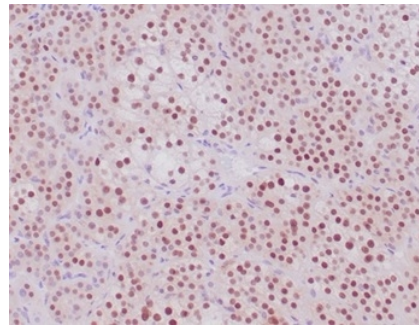
Formalin-fixed, paraffin-embedded human renal oncocytoma stained with SF-1 Recombinant Rabbit Monoclonal Antibody (NR5A1/4368R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified SF1 Recombinant Rabbit Monoclonal Antibody (SF1/4368R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of Human Ovary tissue lysate using SF-1 Recombinant Rabbit Monoclonal Antibody (SF1/4368R).



Formalin-fixed, paraffin-embedded human adrenal cortical tumor stained with SF-1 Recombinant Rabbit Monoclonal Antibody (NR5A1/4368R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

### Specificity & Comments

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

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Developmental Biology, Nuclear Marker, Transcription Factors

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.