

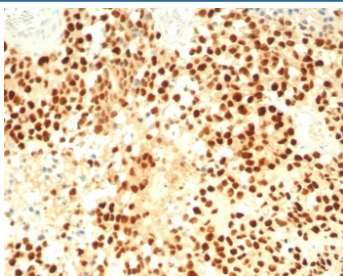
## Steroidogenic Factor 1 Antibody / SF-1 / R5A1 [clone SF1/8000R] (V5306)

Catalog No.	Formulation	Size
V5306-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5306-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5306SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

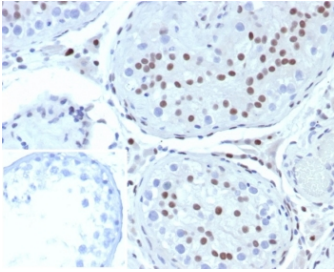
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	SF1/8000R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	Q13285
<b>Localization</b>	Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This Steroidogenic Factor 1 antibody is available for research use only.



Steroidogenic Factor 1 Antibody Adrenal Cortex IHC. Immunohistochemistry analysis of FFPE human adrenal cortex tissue stained with Steroidogenic Factor 1 Antibody demonstrates strong diffuse nuclear HRP-DAB brown staining throughout adrenal cortical cellular populations, consistent with expression of steroidogenic factor 1 / NR5A1 in steroid-producing endocrine tissue compartments. This steroidogenic transcription factor antibody highlights nuclear localization patterns associated with adrenal differentiation, steroid hormone biosynthesis, and endocrine-associated transcriptional regulation pathways. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Steroidogenic Factor 1 Antibody Testis IHC. Immunohistochemistry analysis of FFPE human testis tissue stained with Steroidogenic Factor 1 Antibody demonstrates distinct nuclear HRP-DAB brown staining within seminiferous tubule-associated cellular populations, consistent with expression of steroidogenic factor 1 / NR5A1 in gonadal and endocrine-associated transcriptionally active compartments. This steroidogenic transcription factor antibody highlights nuclear localization patterns associated with reproductive tissue differentiation and steroidogenic signaling pathways. Inset: PBS was used in place of primary antibody as a negative control to assess non-specific secondary antibody binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

Steroidogenic Factor 1 Antibody specifically detects SF-1 / R5A1, 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.

For highly specific SF-1 detection validated by large-scale HuProt(TM) protein microarray screening, see our [SF-1 Antibody / Steroidogenic Transcription Factor Antibody](#) page featuring clone NR5A1/3397 with IHC and microarray specificity validation data.

## Application Notes

Optimal dilution of the Steroidogenic Factor 1 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 200-400) from the human protein was used as the immunogen for the Steroidogenic Factor 1 antibody.

## Storage

Aliquot the Steroidogenic Factor 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.