

# Anti-NR5A1 / SF1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17484

## Product Information

<b>Application</b>	IHC-P
<b>Primary Accession</b>	<a href="#">Q13285</a>
<b>Predicted</b>	Human, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	51636
<b>Concentration (mg/ml)</b>	1 mg/ml

## Additional Information

<b>Gene ID</b>	2516
<b>Alias Symbol</b>	NR5A1
<b>Other Names</b>	NR5A1, AD4BP, Adrenal 4 binding protein, Adrenal 4-binding protein, ELP, Steroidogenic factor-1, SRXY3, Steroidogenic factor 1, Nuclear receptor AdBP4, Nuclear receptor elp, POF7, SF-1, SPGF8, Steroid hormone receptor Ad4BP, STF-1, FTZ1, FTZF1, Fushi ...
<b>Target/Specificity</b>	Human NR5A1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TRIM23 (47%).
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-NR5A1 / SF1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	NR5A1
<b>Synonyms</b>	AD4BP, FTZF1, SF1
<b>Function</b>	Transcriptional activator. Essential for sexual differentiation and formation of the primary steroidogenic tissues (PubMed: <a href="#">27378692</a> ). Binds to the Ad4 site found in the promoter region of steroidogenic P450 genes such as CYP11A, CYP11B and CYP21B. Also regulates the AMH/Muellerian inhibiting substance gene as well as the AHCH and STAR genes. 5'-YCAAGGYC-3' and 5'-RRAGGTCA-3' are the consensus sequences for the recognition by NR5A1 (PubMed: <a href="#">27378692</a> ). The SFPQ-NONO-NR5A1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. Binds phosphatidylcholine (By similarity). Binds phospholipids with a

phosphatidylinositol (PI) headgroup, in particular PI(3,4)P2 and PI(3,4,5)P3. Activated by the phosphorylation of NR5A1 by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation.

**Cellular Location**

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00407, ECO:0000269 | PubMed:11479297, ECO:0000269 | PubMed:27490115}

**Tissue Location**

High expressed in the adrenal cortex, the ovary, the testis, and the spleen (PubMed:9177385)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.