

**Anti-NR5A1 / SF1 Antibody (Internal)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17484****Specification**

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**Anti-NR5A1 / SF1 Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P                  |
| Primary Accession | <a href="#">Q13285</a> |
| Predicted         | Human, Monkey          |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 51636                  |

**Anti-NR5A1 / SF1 Antibody (Internal) - Additional Information****Gene ID** 2516

|              |       |
|--------------|-------|
| Alias Symbol | NR5A1 |
|--------------|-------|

**Other Names**

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 ...

**Target/Specificity**

Human NR5A1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TRIM23 (47%).

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

Anti-NR5A1 / SF1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-NR5A1 / SF1 Antibody (Internal) - Protein Information**

**Name** NR5A1

**Synonyms** AD4BP, FTZF1, SF1

**Function**

Transcriptional activator. Essential for sexual differentiation and formation of the primary steroidogenic tissues (PubMed:<a href="http://www.uniprot.org/citations/27378692" target="\_blank">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="http://www.uniprot.org/citations/27378692" target="\_blank">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)

**Anti-NR5A1 / SF1 Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-NR5A1 / SF1 Antibody (Internal) - Images**