

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

Specification

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

Application	IHC-P
Primary Accession	Q13285
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: <http://www.uniprot.org/citations/27378692> target="_blank">27378692). 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: <http://www.uniprot.org/citations/27378692> target="_blank">27378692). 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