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Anti-NR5A1 / SF1 Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17484

Product Information

Application	IHC-P
Primary Accession	Q13285
Predicted	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51636
Concentration (mg/ml)	1 mg/ml

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.

Protein Information

Name	NR5A1
Synonyms	AD4BP, FTZF1, SF1
Function	Transcriptional activator. Essential for sexual differentiation and formation of the primary steroidogenic tissues (PubMed: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: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)

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