
Product Name: SF-1 Rabbit Polyclonal Antibody**Catalog #: APRab17780**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
Molecular Weight	50kDa

Antigen Information

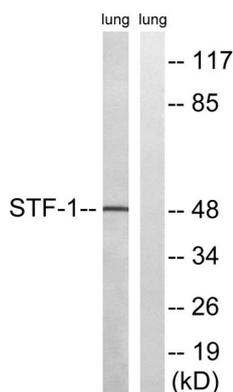
Gene Name	NR5A1 NR5A1; AD4BP; FTZF1; SF1; Steroidogenic factor 1; SF-1; STF-1; Adrenal 4-binding protein;
Alternative Names	Fushi tarazu factor homolog 1; Nuclear receptor subfamily 5 group A member 1; Steroid hormone receptor Ad4BP
Gene ID	2516.0
SwissProt ID	Q13285
Immunogen	The antiserum was produced against synthesized peptide derived from human NR5A1. AA range:169-218

Background

The protein encoded by this gene is a transcriptional activator involved in sex determination. The encoded protein binds DNA as a monomer. Defects in this gene are a cause of XY sex reversal with or without adrenal failure as well as adrenocortical insufficiency without ovarian defect. [provided by RefSeq, Jul 2008],disease:Defects in NR5A1 are a cause of adrenocortical insufficiency without ovarian defect [MIM:184757]. The disease is characterized by severe 'slackness,' muscular hypotonia. There is decreased sodium, increased potassium and elevated ACTH.,disease:Defects in NR5A1 are a cause of XY sex reversal with or without adrenal failure [MIM:184757]. This disease is characterized by normal female external genitalia and retention of the uterus.,function:Transcriptional activator. Seems to be essential for sexual differentiation and formation of the primary steroidogenic tissues. Binds to the Ad4 site found in the promoter region of steroidogenic P-450 genes such as CYP11A, CYP11B and CYP21B. Also regulates the Mullerian inhibiting substance (AMH) 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/FTZF1. The SFPQ-NONO-NR5A1/SF-1 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.,PTM:Acetylation stimulates the transcriptional activity.,similarity:Belongs to the nuclear hormone receptor family.,similarity:Belongs to the nuclear hormone receptor family. NR5 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Binds DNA as a monomer. Interacts with NR0B2 and PPARGC1A (By similarity). Part of a complex consisting of SFPQ, NONO and NR5A1/SF-1. Interacts with NCOA2.,

Research Area

Image Data



Western blot analysis of lysates from rat lung, using STF-1 Antibody. The lane on the right is blocked with the synthesized peptide.