

SF-1 Polyclonal Antibody

Catalog No: YT4261

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA;IHC

Target: SF-1

Fields: >>Cortisol synthesis and secretion;>>Cushing syndrome

Gene Name: NR5A1

Protein Name: Steroidogenic factor 1

Human Gene ld: 2516

Human Swiss Prot

Q13285

No:

Mouse Gene Id: 26423

Mouse Swiss Prot

P33242

No:

Rat Gene Id: 83826

Rat Swiss Prot No: P50569

Immunogen: The antiserum was produced against synthesized peptide derived from human

NR5A1. AA range:169-218

Specificity: SF-1 Polyclonal Antibody detects endogenous levels of SF-1 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

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Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 50kD

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],

Function: 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 Muellerian inhibiting substance (AMH) gene as well as the AHCH and STAR genes. 5'-YCAAGGYC-3' and 5'-RRAGGTCA-3' are the consensus

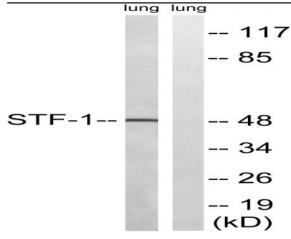
sequences for the recognition by NR5A1/FTZF1. The SFPQ-NO

Subcellular Location : Nucleus.

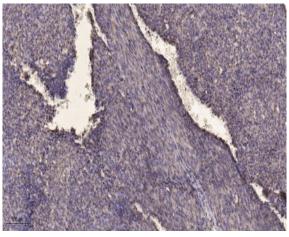
Expression: High expressed in the adrenal cortex, the ovary, the testis, and the spleen

(PubMed:9177385).

Products Images



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



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).