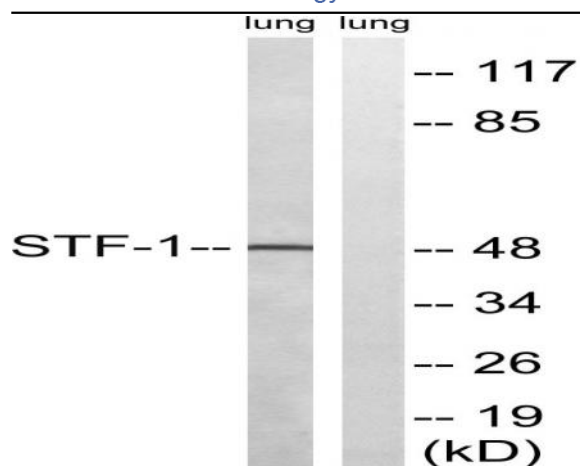


SF-1 Polyclonal Antibody

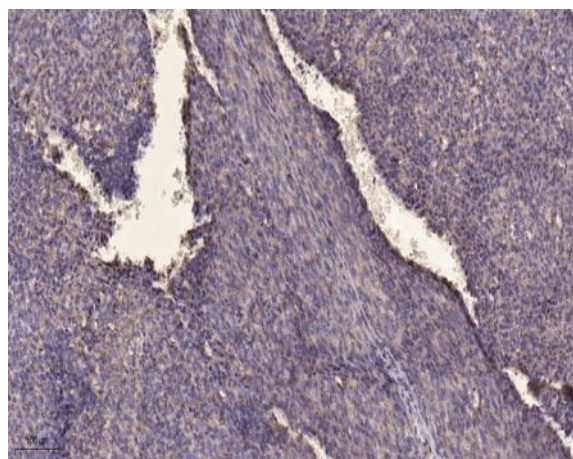
Catalog No :	YT4261
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	SF-1
Fields :	>>Cortisol synthesis and secretion;>>Cushing syndrome
Gene Name :	NR5A1
Protein Name :	Steroidogenic factor 1
Human Gene Id :	2516
Human Swiss Prot No :	Q13285
Mouse Gene Id :	26423
Mouse Swiss Prot No :	P33242
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

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 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-NO
Subcellular Location :	Nucleus .
Expression :	High expressed in the adrenal cortex, the ovary, the testis, and the spleen (PubMed:9177385).
Sort :	16257
Host :	Rabbit
Modifications :	Unmodified

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).