

Anti-STF1 Rabbit Monoclonal Antibody

Catalog # ABO16014

Product Information

Application	WB
Primary Accession	Q13285
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-STF1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	2516
Other Names	Steroidogenic factor 1, SF-1, STF-1, hSF-1, Adrenal 4-binding protein, Fushi tarazu factor homolog 1, Nuclear receptor subfamily 5 group A member 1, Steroid hormone receptor Ad4BP, NR5A1, AD4BP, FTZF1, SF1
Calculated MW	51636
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 25N93
Immunogen	A synthesized peptide derived from human STF1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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.

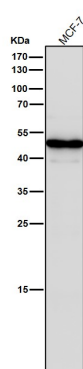
Cellular Location

Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00407, ECO:0000269 | PubMed:11479297, ECO:0000269 | PubMed:27490115}

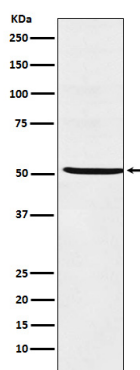
Tissue Location

High expressed in the adrenal cortex, the ovary, the testis, and the spleen (PubMed:9177385)

Images



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



Western blot analysis of STF1 expression in Jutkat cell lysate.

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