

FAP

Rabbit Monoclonal antibody(Mab)

Catalog # AD80460

Product Information

Application	IHC-P
Primary Accession	Q13285
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	215I4V6
Calculated MW	51636

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
Dilution	IHC-P~~N/A
Storage	Maintain refrigerated at 2-8°C.

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'.