



人と科学のステキな未来へ

コスモ・バイオ株式会社



7-1-14 Minatojimaminami-machi, Chuo-ku, Kobe, Japan 650-0047

**KO610****Anti mouse Nr5a1 (Ad4BP/SF-1) Monoclonal Antibody**

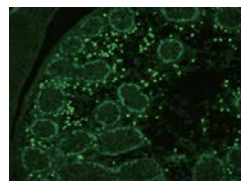
(Clone No. 1B1F10)

<b>Code No.</b>	KO610
<b>Category</b>	Development/Differentiation
<b>Target</b>	Nr5a1(Ad4BP/SF-1)
<b>Type</b>	Monoclonal Antibody
<b>Concentration</b>	0.25 mg/mL
<b>Contents ( Volume )</b>	50 µg (200 µL/vial)
<b>Gene ID</b>	26423
<b>Primary Source</b>	MGI:1346833
<b>Synonyms</b>	ELP; SF1; SF-1; Ad4BP; ELP-3; Ftzf1; Ftz-F1; MGC124277; MGC124278; Nr5a1
<b>Immunogen</b>	Recombinant protein of mouse Nr5a1 (full length)
<b>Raised in</b>	Rat
<b>Myeloma</b>	SP2
<b>Clone number</b>	1B1F10
<b>Purification</b>	ProteinG
<b>Source</b>	Serum-free medium
<b>Isotype</b>	IgG2α,k
<b>Cross Reactivity</b>	Not Tested
<b>Label</b>	Unlabeled
<b>Buffer</b>	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
<b>Storage</b>	Store below -20°C. Once thawed, store at 4°C. Repeated freeze-thaw cycles should be avoided.
<b>Application</b>	WB, IHC, ICC, IF

**Recommended Antibody Dilutions**

ELISA	WB	IHC	ICC
Not Tested	1 0-5 0	5 0-10	10
IP	FCM	IF	Neutralization
Not Tested	Not Tested	10	Not Tested

(µg/mL)

IF  
Sample:  
mouse testis

Preparation of antibodies  
Dr. Ken-ichirou Morohashi  
Biology of sex differences Department of Molecular Biology Faculty of Medical Sciences, Kyushu University, Fukuoka, JAPAN

**UniProt Summary**

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 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. The SFPQ-NONO-NR5A1 complex binds to the CYP17 promoter and regulates basal and cAMP-dependent transcriptional activity. Transcription repressor of the Moloney leukemia virus long terminal repeat in undifferentiated murine embryonal carcinoma cells. Binds phosphatidylcholine and phospholipids with a phosphatidylinositol (PI) headgroup, in particular phosphatidyl(3,4)bisphosphate, phosphatidyl(3,5)bisphosphate and phosphatidyl(3,4,5)triphosphate.

**Reference**

- 1) Shima Y, *et al*: Mol. Endocrinol. (2008)22:1633-1646
- 2) Yokoyama C, *et al*: HYBRIDOMA (2009)28(2):113-119\*

\*Application Reference

<http://www.transgenic.co.jp>Technical Support: [techstaff@transgenic.co.jp](mailto:techstaff@transgenic.co.jp)