

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

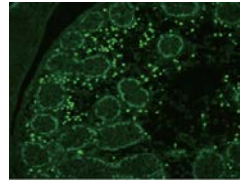
(Clone No. 1B1F10)

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