

Product Name: KD-Validated NR5A1 Mouse Monoclonal Antibody**Catalog #: KVA01852**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 51.6kDa

Antigen Information

Gene Name	NR5A1 NR5A1; Nuclear Receptor Subfamily 5 Group A Member 1; AD4BP; HSF-1; SF-1; SF1; Steroidogenic Factor 1; FTZF1; FTZ1; ELP; Steroid Hormone Receptor Ad4BP; Fushi Tarazu
Alternative Names	Factor Homolog 1; STF-1; Nuclear Receptor Subfamily 5, Group A, Member 1; Steroidogenic Factor 1 Nuclear Receptor; Adrenal 4 Binding Protein; Adrenal 4-Binding Protein; Nuclear Receptor AdBP4; Steroidogenic Factor-1; SPGF8; SRXX4; SRXY3; POF7
Gene ID	2516.0
SwissProt ID	Q13285
Immunogen	A synthesized peptide derived from human NR5A1

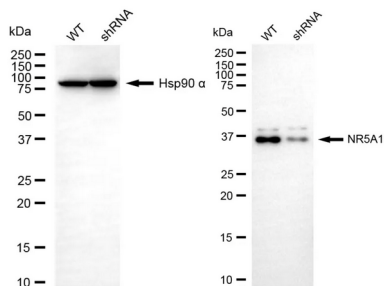
Background

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]

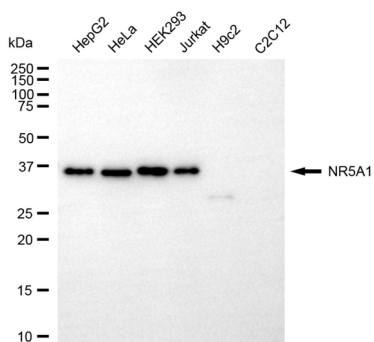
Research Area

Epigenetics and Nuclear Signaling, Developmental Biology

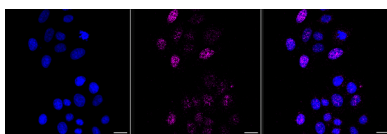
Image Data



Western blotting analysis using NR5A1 antibody (KVA01852). NR5A1 expression in wild-type (WT) and NR5A1 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NR5A1 antibody (KVA01852, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using NR5A1 antibody (KVA01852). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NR5A1 antibody (KVA01852, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with NR5A1 antibody (KVA01852, 1:1,000). Nuclei were stained blue with DAPI; NR5A1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.