

Product Name: KD-Validated NR2F2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00308**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit 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 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 45.6kDa

Antigen Information

Gene Name	NR2F2 NR2F2; Nuclear Receptor Subfamily 2 Group F Member 2; COUP Transcription Factor II; COUPTFB; COUPTF2; TFCOUP2; SVP40; NF-E3; ARP1; Apolipoprotein A-I Regulatory Protein 1; COUP Transcription Factor 2; COUP-TFII; ARP-1; Chicken Ovalbumin Upstream Promoter Transcription Factor 2; Chicken Ovalbumin Upstream Promoter-Transcription Factor I; Nuclear Receptor Subfamily 2, Group F, Member 2; ADP-Ribosylation Factor Related Protein 1; Apolipoprotein AI Regulatory Protein 1; COUP-TF II; COUPTFII; COUP-TF2; CHTD4; SRXX5
Alternative Names	
Gene ID	7026.0
SwissProt ID	P24468
Immunogen	A synthesized peptide derived from human NR2F2

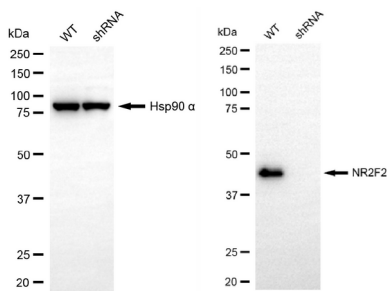
Background

This gene encodes a member of the steroid thyroid hormone superfamily of nuclear receptors. The encoded protein is a ligand inducible transcription factor that is involved in the regulation of many different genes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

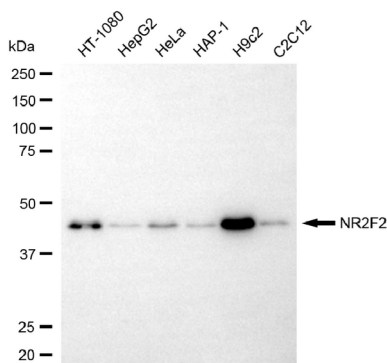
Research Area

Epigenetics and Nuclear Signaling, Signal Transduction

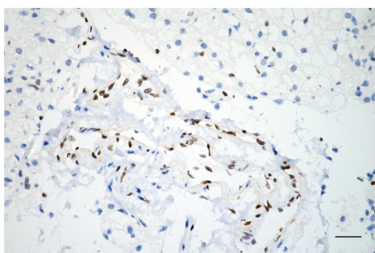
Image Data



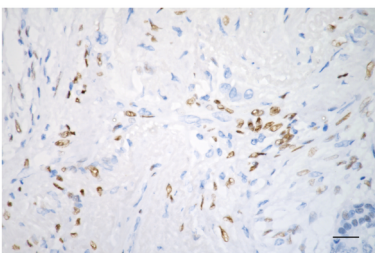
Western blotting analysis using NR2F2 antibody (KVA00308). NR2F2 expression in wild-type (WT) and NR2F2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NR2F2 antibody (KVA00308, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



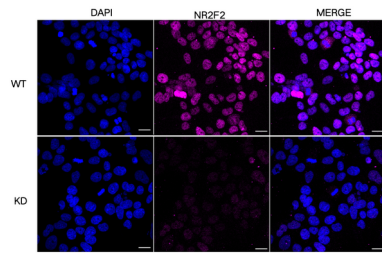
Western blotting analysis using NR2F2 antibody (KVA00308). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NR2F2 antibody (KVA00308, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



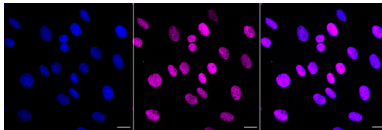
Immunohistochemistry was performed on paraffin-embedded mouse brown adipose tissue using NR2F2 antibody (KVA00308, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



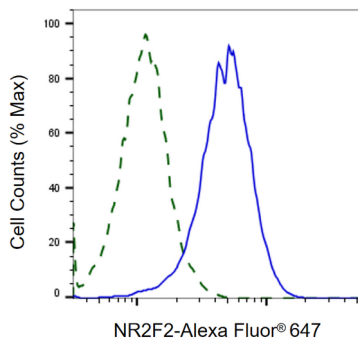
Immunohistochemistry was performed on paraffin-embedded human endometrial carcinoma using NR2F2 antibody (KVA00308, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



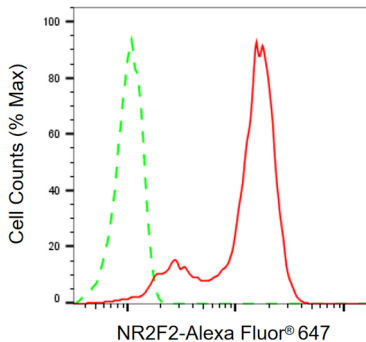
Immunocytochemical staining of HeLa cells using NR2F2 antibody (KVA00308, 1:1,000), Top panel: wild-type (WT); Bottom panel: NR2F2 shRNA knockdown (KD). Nuclei were stained blue with DAPI; NR2F2 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μm.



Immunocytochemical staining of H9c2 cells with NR2F2 antibody (KVA00308, 1:1,000). Nuclei were stained blue with DAPI; NR2F2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μm.



Validation of NR2F2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with NR2F2 antibody (KVA00308, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of NR2F2 expression in H9c2 cells using NR2F2 antibody (KVA00308, 1:2,000). Green, isotype control; red, NR2F2.