

NR1D1 Rabbit pAb

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Catalog # AP94534

Product Information

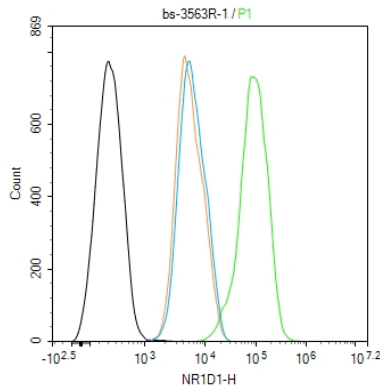
Application	WB, IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Predicted	Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NR1D1
Epitope Specificity	551-614/614
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	NR1D1, a NR1 Thyroid Hormone-Like Receptor, is encoded by the same genomic locus as, but transcribed from the opposite strand of, Thyroid Hormone Receptor Alpha (TR Alpha). NR1D1 is a target of Nuclear Receptor ROR Alpha and a transcription regulator that has been shown to affect myocyte differentiation, adipogenesis, and lipoprotein metabolism. Mice lacking NR1D1 show abnormal postnatal cerebellar development. NR1D1 expression has been documented in human skeletal muscle and a variety of mouse and rat tissues. ESTs have been isolated from human tissue libraries, including cancerous adrenal, blood, brain, breast, colon, duodenum, fetus, head/neck, kidney, lung, skeletal muscle, skin, synovium, uterus, normal brain, breast, colon, eye, heart, pancreas, pituitary, prostate, skeletal muscle, skin, testis and thyroid.

Additional Information

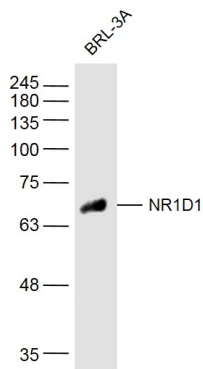
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1 ug /Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

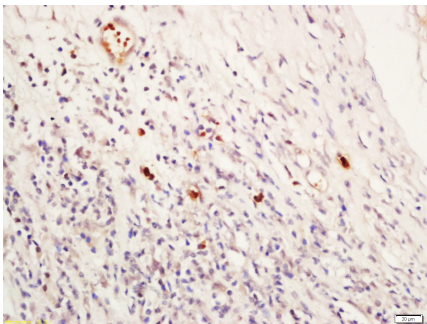
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Blank control(black line):Hela.
 Primary Antibody (green line): Rabbit Anti-NR1D1 antibody (AP94534)
 Dilution:1ug/Test;
 Secondary Antibody(white blue line): Goat anti-rabbit IgG-AF488
 Dilution: 0.5ug/Test.
 Isotype control(orange line): Normal Rabbit IgG
 Protocol
 The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Sample:
 BRL-3A (Rat) Cell Lysate at 40 ug
 Primary: Anti- NR1D1 (AP94534) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 67 kD
 Observed band size: 67 kD



Tissue/cell: human laryngeal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
 Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
 Incubation: Anti-NR1D1 Polyclonal Antibody, Unconjugated(AP94534) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.