Product Name: MB67 Rabbit Polyclonal Antibody
Catalog #: APRab13679

Summary

Production Name	MB67 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NR1I3
Alternative Names	NR1I3; CAR; Nuclear receptor subfamily 1 group I member 3; Constitutive activator of retinoid response; Constitutive active response; Constitutive androstane receptor; CAR; Orphan nuclear receptor MB67
Gene ID	9970.0
SwissProt ID	Q14994.The antiserum was produced against synthesized peptide derived from human NR1I3. AA range:71-120

Application

Dilution Ratio	WB 1:500-1:2000. ELISA: 1:20000.
Molecular Weight	35kD

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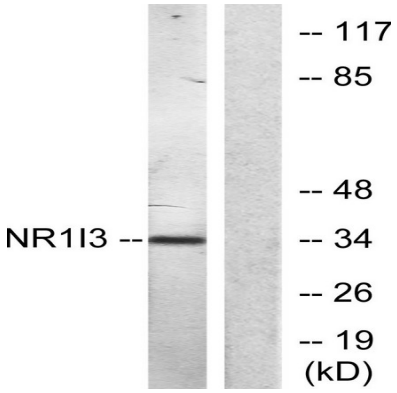
Background

This gene encodes a member of the nuclear receptor superfamily, and is a key regulator of xenobiotic and endobiotic metabolism. The protein binds to DNA as a monomer or a heterodimer with the retinoid X receptor and regulates the transcription of target genes involved in drug metabolism and bilirubin clearance, such as cytochrome P450 family members. Unlike most nuclear receptors, this transcriptional regulator is constitutively active in the absence of ligand but is regulated by both agonists and inverse agonists. Ligand binding results in translocation of this protein to the nucleus, where it activates or represses target gene transcription. These ligands include bilirubin, a variety of foreign compounds, steroid hormones, and prescription drugs. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],domain:Composed by a short N-terminal domain followed by the DNA binding, hinge, and ligand binding/dimerization domains.,function:Binds and transactivates the retinoic acid response elements that control expression of the retinoic acid receptor beta 2 and alcohol dehydrogenase 3 genes. Transactivates both the phenobarbital responsive element module of the human CYP2B6 gene and the CYP3A4 xenobiotic response element.,induction:By dexamethasone.,similarity:Belongs to the nuclear hormone receptor family.,similarity:Belongs to the nuclear hormone receptor family. NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Heterodimer of NR1I3 and RXR. Interacts with PSMC4.,tissue specificity:Predominantly expressed in liver.,

Research Area

Image Data



Western blot analysis of lysates from Jurkat cells, treated with serum 20% 15 ', using NR1I3 Antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.