

Product datasheet for **TA332479S**

Constitutive androstane receptor (NR1I3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human NR1I3
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	352
Gene Name:	nuclear receptor subfamily 1 group I member 3
Database Link:	NP_005113 Entrez Gene 12355 Mouse Entrez Gene 65035 Rat Entrez Gene 9970 Human Q14994



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Background:

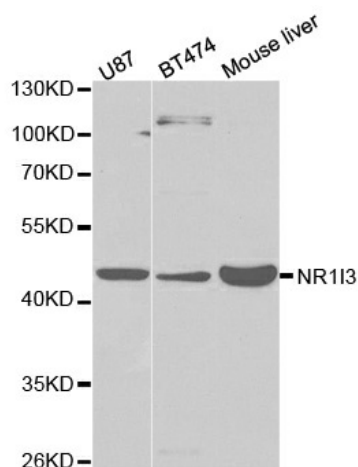
This gene encodes a member of the nuclear receptor superfamily, and is a key regulator of xenobiotic and endobiotic metabolism. The protein binds to DNA as a monomer or a heterodimer with the retinoid X receptor and regulates the transcription of target genes involved in drug metabolism and bilirubin 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

Synonyms:

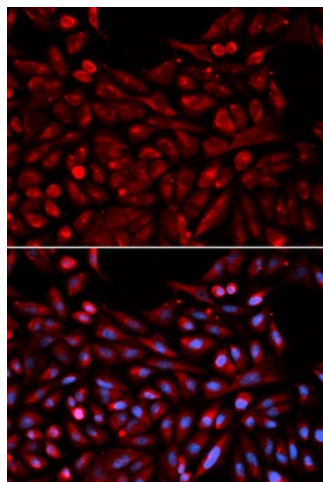
CAR; CAR1; MB67

Protein Families:

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:

Western blot analysis of extracts of various cell lines, using NR113 antibody.



Immunofluorescence analysis of U2OS cell using NR113 antibody. Blue: DAPI for nuclear staining.