

Anti-NR1D1 Antibody (2D57)

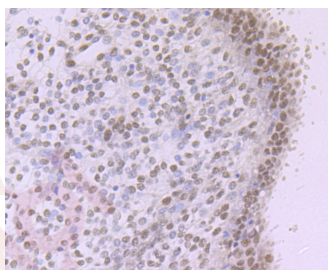
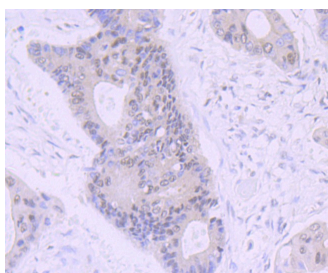
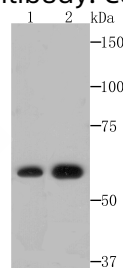
Product Details

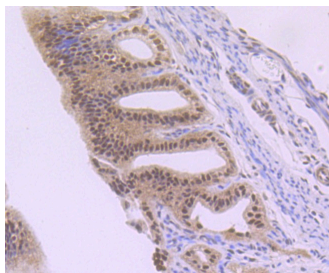
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 67 kDa.
Clone:	2D57
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of NR1D1 on HepG2 and SiHa cell lysates using anti-NR1D1 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-NR1D1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-NR1D1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse fallopian tubes using anti-NR1D1 antibody. Counter stained with hematoxylin.





Application: IHC,WB

Recommended WB: 1:500-1000; IHC: 1:100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P20393

Synonyms: Rev erbalpha;THRAL;EAR1;THRA1;Reverba;Nr1d1;NR1D1_HUMAN;Rev-ErbAalpha;EAR-1; Nuclear receptor Rev Erba alpha;Rev erbAalpha;Rev-erbA-alpha;ERBA-related 1;hRev;Nuclear receptor subfamily 1 group D member 1;V-erbA-related protein 1;Thyroid hormone receptor, alpha-1- like;Thyroid hormone receptor, alpha like

Research Background

Transcriptional repressor which coordinates circadian rhythm and metabolic pathways in a heme-dependent manner. Integral component of the complex transcription machinery that governs circadian rhythmicity and forms a critical negative limb of the circadian clock by directly repressing the expression of core clock components ARTNL/BMAL1, CLOCK and CRY1. Also regulates genes involved in metabolic functions, including lipid and bile acid metabolism, adipogenesis, gluconeogenesis and the macrophage inflammatory response. Acts as a receptor for heme which stimulates its interaction with the NCOR1/HDAC3 corepressor complex, enhancing transcriptional repression. Recognizes two classes of DNA response elements within the promoter of its target genes and can bind to DNA as either monomers or homodimers, depending on the nature of the response element. Binds as a monomer to a response element composed of the consensus half-site motif 5'-[A/G]GGTCA-3' preceded by an A/T-rich 5' sequence (RevRE), or as a homodimer to a direct repeat of the core motif spaced by two nucleotides (RevDR-2).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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