

## NR1D1 Rabbit mAb

Catalog No: #49776

Package Size: #49776-1 50ul #49776-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

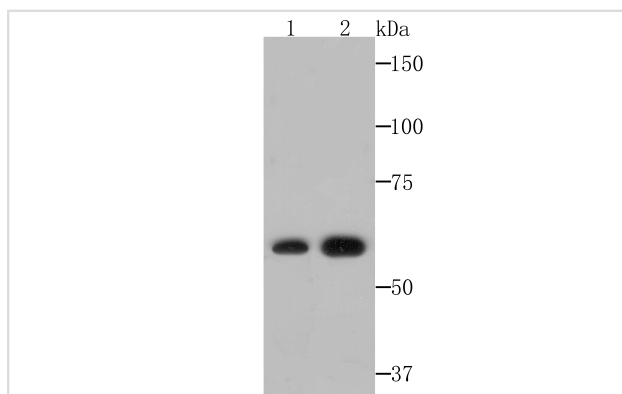
Product Name	NR1D1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU34-31
Purification	ProA affinity purified
Applications	WB,IHC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	EAR-1 antibody EAR1 antibody ERBA-related 1 antibody hRev antibody Nr1d1 antibody NR1D1_HUMAN antibody Nuclear receptor Rev ErbA alpha antibody Nuclear receptor subfamily 1 group D member 1 antibody Rev erbAalpha antibody Rev erbalph antibody Rev-erbA-alpha antibody Rev-ErbAalpha antibody Reverba antibody THRA1 antibody THRAL antibody Thyroid hormone receptor, alpha like antibody Thyroid hormone receptor, alpha-1- like antibody V-erbA-related protein 1 antibody
Accession No.	Swiss-Prot#:P20393
Uniprot	P20393
GeneID	9572;
Calculated MW	67 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

## Application Details

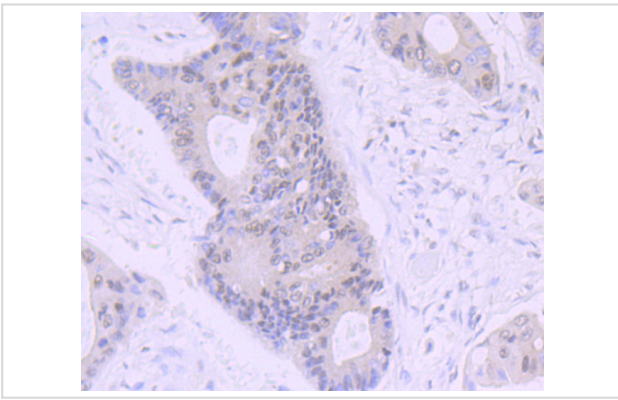
WB: 1:500-1:1,000

IHC: 1:100

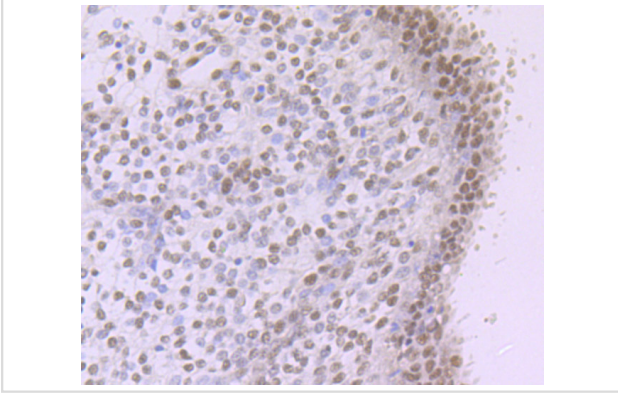
## Images



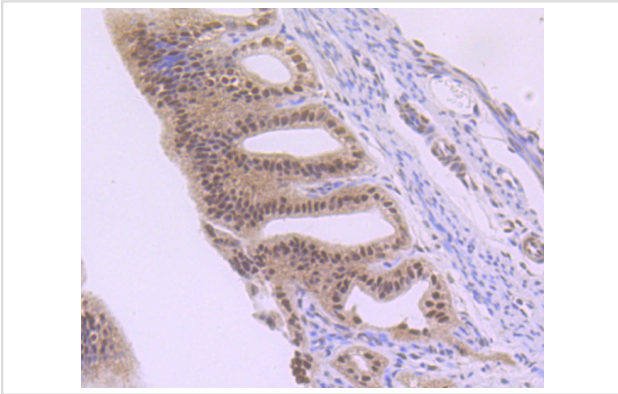
Western blot analysis of NR1D1 on HepG2 and SiHa cell lysates using anti-NR1D1 antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-NR1D1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-NR1D1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse fallopian tubes using anti-NR1D1 antibody. Counter stained with hematoxylin.

## 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).

## References

Note: This product is for in vitro research use only