



NR1D1 Rabbit mAb

Catalog No	YP-rAb-17162
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	NR1D1
Protein Name	Nuclear receptor subfamily 1 group D member 1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:10000-1:50000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	NR1D1 ; EAR1 ; HREV ; THRAL ; Nuclear receptor subfamily 1 group D member 1 ; Rev-erbA-alpha ; V-erbA-related protein 1 ; EAR-1
Observed Band	55kD
Calculated Molecular Weight	67kD
Cell Pathway	Nucleus . Cytoplasm . Cell projection, dendrite . Cell projection, dendritic spine . Localizes to the cytoplasm, dendrites and dendritic spine in the presence of OPHN1. Localizes predominantly to the nucleus at ZT8 whereas it is cytoplasmic at ZT20. Phosphorylation by CSNK1E enhances its cytoplasmic localization. .
Tissue Specificity	Widely expressed. Expressed at high levels in the liver, adipose tissue, skeletal muscle and brain. Also expressed in endothelial cells (ECs), vascular smooth muscle cells (VSMCs) and macrophages. Expression oscillates diurnally in the suprachiasmatic nucleus (SCN) of the hypothalamus as well as in peripheral tissues. Expression increases during the differentiation of pre-adipocytes into mature adipocytes. Expressed at high levels in some squamous carcinoma cell lines.
Function	Domain:Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal steroid-binding domain.,Function:Functions as a constitutive transcriptional repressor. Possible receptor for triiodothyronine.,similarity:Belongs to the nuclear hormone receptor

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family, NR1 subfamily.,similarity:Contains 1 nuclear receptor DNA-binding domain.,subunit:Interacts with C1D.,tissue specificity:Expressed in all tissues and cell lines examined. Expressed at high levels in some squamous carcinoma cell lines.,

Background

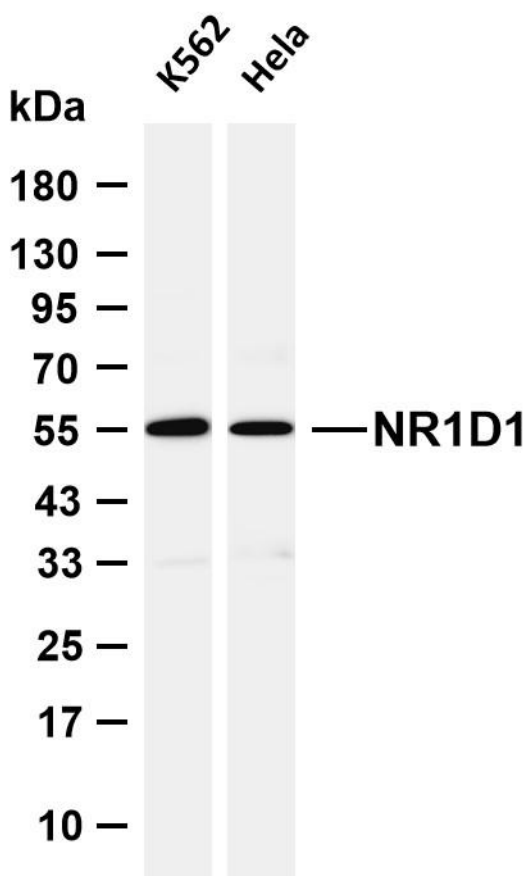
This gene encodes a transcription factor that is a member of the nuclear receptor subfamily 1. The encoded protein is a ligand-sensitive transcription factor that negatively regulates the expression of core clock proteins. In particular this protein represses the circadian clock transcription factor aryl hydrocarbon receptor nuclear translocator-like protein 1 (ARNTL). This protein may also be involved in regulating genes that function in metabolic, inflammatory and cardiovascular processes. [provided by RefSeq, Jan 2013],

matters needing attention

Avoid repeated freezing and thawing!

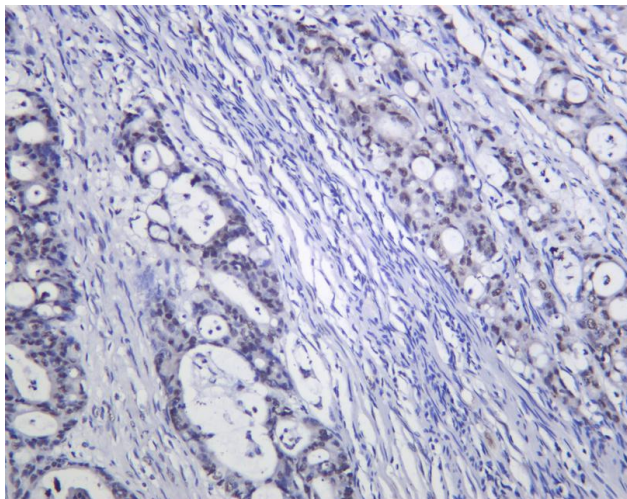
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NR1D1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: HeLa Predicted band size: 67kDa Observed band size: 55kDa





Human colon carcinoma was stained with anti-NR1D1 Rabbit antibody

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