

Datasheet for ABIN700854

**anti-NR1D1 antibody**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	100 µL
Target:	NR1D1
Reactivity:	Human, Mouse, Rat, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR1D1 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NR1D1
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	NR1D1
Alternative Name:	NR1D1 ( <a href="#">NR1D1 Products</a> )
Background:	Synonyms: EAR-1, EAR1, ERBA-RELATED 1, hRev, Nr1d1, NR1D1_HUMAN, Nuclear Receptor Rev-ErbA Alpha, Nuclear receptor subfamily 1 group D member 1, Orphan nuclear receptor NR1D1, Rev erbAalpha, Rev erbalpha, Rev-erbA-alpha, Rev-ErbAalpha, REV-ERBalpha, THRA1, THRAL, Thyroid hormone receptor alpha-like, Thyroid hormone receptor, alpha like, V-erbA

## Target Details

related protein EAR-1, V-erbA-related protein 1.

Background: NR1D1, a NR1 Thyroid Hormone-Like Receptor, is encoded by the same genomic locus as, but transcribed from the opposite strand of, Thyroid Hormone Receptor Alpha (TR Alpha). NR1D1 is a target of Nuclear Receptor ROR Alpha and a transcription regulator that has been shown to affect myocyte differentiation, adipogenesis, and lipoprotein metabolism. Mice lacking NR1D1 show abnormal postnatal cerebellar development. NR1D1 expression has been documented in human skeletal muscle and a variety of mouse and rat tissues. ESTs have been isolated from human tissue libraries, including cancerous adrenal, blood, brain, breast, colon, duodenum, fetus, head/neck, kidney, lung, skeletal muscle, skin, synovium, uterus, normal brain, breast, colon, eye, heart, pancreas, pituitary, prostate, skeletal muscle, skin, testis and thyroid.

Molecular Weight:	68kDa
Gene ID:	9572
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	WB(1:100-500) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

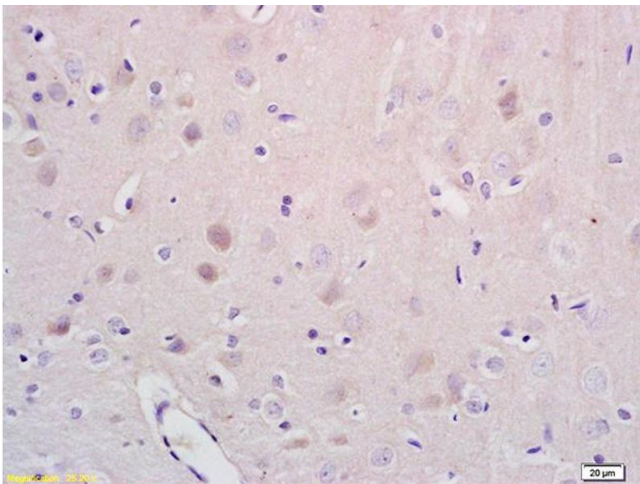
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

Publications

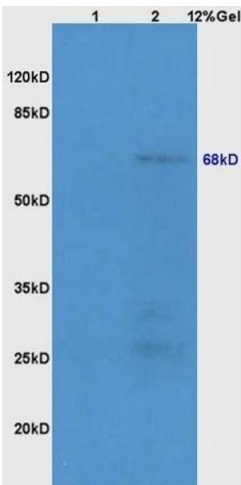
Product cited in: Zhao, Li, Wei, Savage, Zhou, Ma: "Ketamine administered to pregnant rats in the second trimester causes long-lasting behavioral disorders in offspring." in: **Neurobiology of disease**, Vol. 68, pp. 145-55, (2014) ([PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti-NR1D1/REV-ERB alpha Polyclonal Antibody, Unconjugated (ABIN700854) at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

**Image 2.** Lane 1: mouse lung lysates Lane 2: mouse embryo lysates probed with Anti NR1D1/REV-ERB alpha Polyclonal Antibody, Unconjugated (ABIN700854) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 68kD. Observed band size: 68kD.