Datasheet for ABIN6657689

anti-NR2C1 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	NR2C1
Binding Specificity:	N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR2C1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Testicular Receptor 2 (TR2) Antibody
Immunogen:	Anti-TR2 Antibody was produced in rabbit by repeated immunizations with TR2 fusion protein from the N-terminal region of the Testicular Receptor 2 protein.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-TR2 antibody is directed against mouse Testicular Receptor 2 protein.
Purification:	Anti-TR2 antibody is provided as monospecific neat serum.

Target Details

Target:	NR2C1
Alternative Name:	Testicular Receptor 2 (TR2) (NR2C1 Products)

Target Details

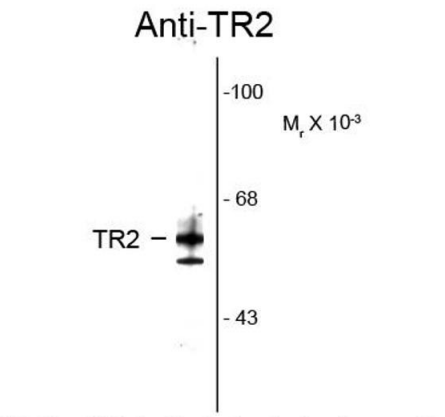
Background:	Synonyms: Nuclear receptor subfamily 2 group C member 1, Orphan nuclear receptor TR2, mTR2 Background: TR2 antibody detects Testicular receptor 2 (TR2), which is a member of the orphan nuclear receptor family. It is widely expressed at a low level throughout the adult testis. TR2 represses transcription and binds DNA directly interacting with HDAC3 and HDAC4 via DNA-binding domains. TR2 has also been implicated in regulation of estrogen receptor activity in mammary glands. In addition, TR2 has recently been shown to form a heterodimer with TR4 that can bind to the direct repeat 6 element of the hepatitis B virus (HBV) enhancer II region thus suppressing HBV gene expression. Anti-TR2 Antibody is ideal for investigators involved in Cell Signaling, Neuroscience, and Stem Cell research. Gene Name: NR2C1
Gene ID:	22025
UniProt:	Q505F1
Pathways:	Nuclear Receptor Transcription Pathway, Retinoic Acid Receptor Signaling Pathway, Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	Optional[Neutralization_Dilution]: 1:1000
Comment:	Anti-Testicular Receptor 2 (Rabbit) antibody has been tested in Western Blots. Anti-Testicular Receptor 2 antibodies are specific for the ~64 kDa TR2 protein in Western blots of testes and nuclear extracts from MEL cell lines. Researchers should determine optimal titers for applications that are not stated below.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiry Date:	12 months



Western blot of rat testes lysate showing specific immunolabeling of the ~64k TR2 protein.

Western Blotting

Image 1. Western blot of Anti-Testicular Receptor 2 (TR2) (Rabbit) Antibody - 100-401-E45 Western Blot of Rabbit Anti-Testicular Receptor 2 (TR2) Antibody. Lane 1: rat testes. Lane 2: none. Load: 10 µg per lane. Primary antibody: TR 2 antibody at 1:1000 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~64 kDa, ~64 kDa for TR-2 protein. Other band(s): TR2 splice variants and isoforms.