



Rabbit Anti-NR4A1 monoclonal antibody, clone FU2814-08 (DCABH-179)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	NUR77
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	FU2814-08
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Cellular Localization	Cytoplasm. Nucleus. Nucleus membrane.
Positive Control	Rat brain cells lysates, HepG2, NIH-3T3, Hela, human liver tissue, human colon cancer tissue, human breast cancer tissue, mouse testis tissue, mouse ovarian tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Warnings	For research use only

BACKGROUND

Introduction

Nurr1 (Nur-related factor 1) and Nur77 (also designated NGFI-B) encode orphan nuclear receptors which may comprise an additional subfamily within the nuclear receptor superfamily. The rat and human homologs of mouse Nurr1 are designated RNR1 and NOT, respectively. Both Nurr1 and Nur77 are growth factor inducible immediate early response genes. Induction of both Nurr1 and Nur77 is seen after membrane depolarization while only Nur77 induction is seen with NGF stimulation. JunD acts as a mediator for Nur77. An increase in Nur77 expression is seen in activated T cells during G0 to G1 transition and throughout the G1 phase. In addition to its function as an immediate early gene, Nur77 may play a role in TCR-mediated apoptosis. Cyclosporin A, a potent immunosuppressant, has been shown to inhibit the ability of Nur77 to bind DNA. A dominant negative form of Nur77 can protect T cell hybridomas from activation-induced apoptosis. However, the absolute requirement of Nur77 for TCR-mediated apoptosis is still under debate.

Keywords

Early response protein NAK1;GFRP 1;GFRP;GFRP1;Growth factor inducible nuclear protein N10;Growth Factor Inducible Nuclear Protein NP10;Growth Factor Response Protein 1;Hbr1;HMR;Hormone Receptor;MGC9485;N10;N10 nuclear protein;NAK 1;NAK1;Nerve growth factor IB nuclear receptor variant 1;NGFIB;NP 10;NP10;NR4A1;NR4A1_HUMAN;Nuclear hormone receptor NUR/77;Nuclear Hormone Receptor TR3;Nuclear receptor subfamily 4 group A member 1;NUR77;NUR77, mouse, homolog of;Orphan nuclear receptor HMR;Orphan nuclear receptor NR4A1;Orphan nuclear receptor TR3;Orphan receptor tr3;Receptor NGFIB;ST 59;ST-59;ST59;Steroid receptor TR3;Testicular receptor 3;TR 3;TR3;TR3 orphan receptor antibody