

Datasheet for ABIN6657453
anti-NR4A1 antibody (Internal Region)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	NR4A1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR4A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Fluorescence Microscopy (FM), Chromatin Immunoprecipitation (ChIP)

Product Details

Purpose:	Nur77 Antibody
Immunogen:	Nur77 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a synthetic peptide corresponding to internal amino acids with human Nur77 protein.
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Anti-Nur77 from human and mouse based on 100 % homology with the immunizing sequence.
Purification:	Anti-Nur77 Antibody was purified by Protein G chromatography.

Target Details

Target:	NR4A1
Alternative Name:	Nur77 (NR4A1 Products)
Background:	Synonyms: GFRP1, HMR, NAK1, Nuclear receptor subfamily 4 group A member 1, Early response protein NAK1, Nuclear hormone receptor NUR/77, Nur77, Orphan nuclear receptor HMR, Orphan nuclear receptor TR3, ST-59, Testicular receptor 3 Background: Anti Nur7 antibody detects human Nur77. Nur77 (Nak-1,TR3) is a member of the NR4A orphan nuclear receptor (NR) superfamily of transcription factors. The Nur77 ligand has not yet been identified. It is thought that the lack of ability to identify a ligand may be due to the lack of a typical NR binding pocket in the ligand binding domain. Nur77, like other NR4A receptors, are immediate-early genes induced by diverse stimuli in multiple tissues. There is increasing evidence that Nur77 and other NR4A receptors play important roles in maintaining tissue homeostasis. For example, specific Nur77 functions have been defined in the brain, T-cells/thymocytes, adipose tissue, steroidogenesis, muscle, blood vessels, macrophages and cardiovascular system. There is also evidence that Nur77 plays roles in pathological processes such as cancer. Nur77 is a phosphoprotein and its size ranges from ~65 kDa to 90 kDa depending on the isoform expressed and level of phosphorylation or other post-translational modifications. Anti-Nur77 antibody is ideal for investigators involved in apoptosis. Gene Name: NR4A1
Gene ID:	3164
NCBI Accession:	NP_001189162
UniProt:	P22736
Pathways:	Fc-epsilon Receptor Signaling Pathway , Nuclear Receptor Transcription Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	ChIP_Dilution: 1:20-1:1000 Immunoprecipitation_Dilution: 1:10-1:500 Immunohistochemistry_Dilution: 1:200 IF_Microscopy_Dilution: 1:10-1:2000 Western_Blot_Dilution: 1:500-1:1000 Other: ICC: 1:10-1:2000
Comment:	Anti Nur77 antibody is tested for use in WB, ChIP, ICC/IF, IHC, IHC-P, and IP. Expect a band

Application Details

approximately 71kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: 0.05 % BSA

Preservative: 0.05 % (w/v) 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: 4 °C, -20 °C

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months