

Datasheet for ABIN3032064
anti-NR4A1 antibody (N-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	NR4A1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR4A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	An amino acid sequence from the N-terminus of the human protein (ASFKFEDFQVYGCY) was used as the immunogen for this NUR77 antibody (100% homologous in human, mouse and rat).
Isotype:	Ig Fraction
Purification:	Antigen affinity

Target Details

Target:	NR4A1
Alternative Name:	NUR77 (NR4A1 Products)
Background:	Nuclear receptor subfamily 4 group A member 1, also called NAK1, GFRP1, TR3, NUR77 or NGFIB, is a protein that in humans is encoded by the NR4A1 gene, and is a member of the Nur nuclear receptor family of intracellular transcription factors. NR4A1 is involved in cell cycle

Target Details

mediation, inflammation and apoptosis. It plays a key role in mediating inflammatory responses in macrophages. In addition, subcellular localization of the protein appears to play a key role in the survival and death of cells. Nr4a1 was overexpressed in Wnt1 -transformed mouse mammary cells. It was also induced by lithium, a Wnt1 mimic, and the promoter was activated by lithium and beta-catenin, a Wnt1 downstream effector. In contrast, human NR4A1 was not upregulated by beta-catenin, indicating that this gene is regulated differently in human and mouse cells. Adenoviral expression of Nr4a1 induced genes involved in gluconeogenesis, stimulated glucose production both in vitro and in vivo, and raised blood glucose levels.

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: The stated application concentrations are suggested starting points. Titration of the NUR77 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Western blot: 0.5-1 µg/mL

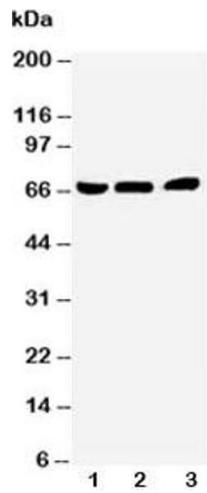
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

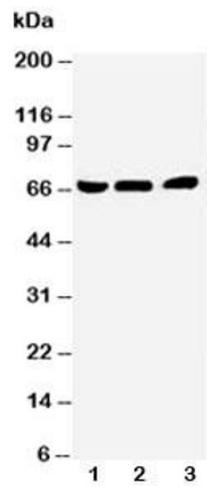
Storage: -20 °C

Storage Comment: After reconstitution, the NUR77 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of NUR77 antibody and Lane 1: A431; 2: HeLa; 3: Jurkat cell lysate



Western Blotting

Image 2. Western blot testing of NUR77 antibody and Lane 1: A431