Datasheet for ABIN3044257

anti-NR4A1 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	NR4A1
Binding Specificity:	AA 99-112, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NR4A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-NUR77/NR4A1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human NUR77, identical to the related rat and mouse sequences.
Sequence:	ASFKFEDFQV YGCY
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NUR77/NR4A1 Antibody (ABIN3044257). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	NR4A1
Alternative Name:	NR4A1 (NR4A1 Products)
Background:	Synonyms: 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,NR4A1,GFRP1, HMR, NAK1, Tissue Specificity: Fetal muscle and adult liver, brain and thyroid. Background: NR4A1 (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, which is also a member of the Nur nuclear receptor family of intracellular transcription factors. The NR4A1 gene is mapped on 12q13.13. NR4A1 is involved in cell cycle mediation, inflammation and apoptosis. It plays a key role in mediating inflammatory responses in macrophages. In addition, subcellular localization of the NR4A1 protein appears to play a key role in the survival and death of cells. Nr4a1 was overexpressed in Wnt1 -transformed mouse mammary cells. Nr4a1 was also induced by lithium, a Wnt1 mimic, and the Nr4a1 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. Sequence Similarities: Belongs to the nuclear hormone receptor family. NR4 subfamily.
Molecular Weight:	38 kDa
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:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat 1. Chang, C., Kokontis, J., Liao, S. S., Chang, Y. Isolation and characterization of human TR3 receptor: a member of steroid receptor superfamily. J. Steroid Biochem. 34: 391-395, 1989. 2.

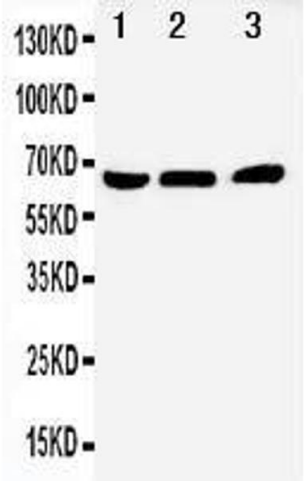
Application Details

	Dequiedt, F., Kasler, H., Fischle, W., Kiermer, V., Weinstein, M., Herndier, B. G., Verdin, E. HDAC7, a thymus-specific class II histone deacetylase, regulates Nur77 transcription and TCR-mediated apoptosis. Immunity 18: 687-698, 2003. 3. Forman, B. M., Umesono, K., Chen, J., Evans, R. M. Unique response pathways are established by allosteric interactions among nuclear hormone receptors. Cell 81: 541-550, 1995.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Anti-NUR77 antibody, Western blotting Lane 1: A431 Cell Lysate Lane 2: HELA Cell Lysate Lane 3: JURKAT Cell Lysate