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Datasheet for 200-401-H99

Nur77 Antibody

Overview

Description:	Anti-Nur77 (RABBIT) Antibody - 200-401-H99
Item No.:	200-401-H99
Size:	100 µg
Applications:	ChIP, IF, IHC, IP, WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

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, steroidgenesis, 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.
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
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NR4A1

Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
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.
Purity/Specificity:	Anti-Nur77 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Anti-Nur77 from human and mouse based on 100% homology with the immunizing sequence. Cross-reactivity with Anti-Nur77 from other sources has not been determined.
Relevant Links:	• UniProtKB - P22736 • NCBI - NP_001189162.1 • GeneID - 3164

Application Details

Tested Applications:	ChIP, IF, IHC, IP, WB
Application Note:	Anti Nur77 antibody is tested for use in WB, ChIP, ICC/IF, IHC, IHC-P, and IP. Expect a band approximately 71kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ChIP:	1:20-1:1000
IF:	1:10-1:2000
IHC:	1:200
IP:	1:10-1:500
WB:	1:500-1:1000

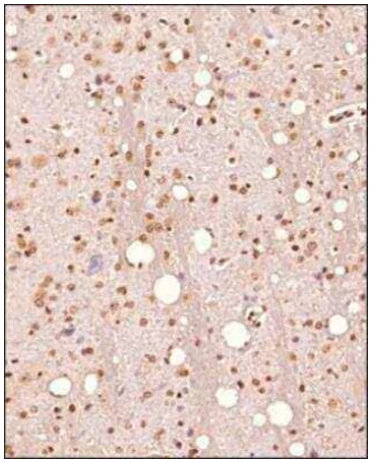
Formulation

Physical State:	Liquid
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

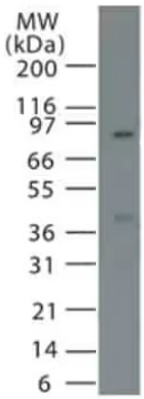
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry analysis of Anti-Nur77 antibody using 1:200 dilution on FFPE tissue section of mouse brain. The staining was developed using HRP labeled anti-rabbit secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin.



Western Blot
Western Blot analysis of Anti-Nur77 antibody.
Lysate/load: NIH3T3 cell lysate - 15µg.
Primary Antibody: Anti-Nur77 antibody at 1:500 dilution.

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Disclaimer

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