

Product datasheet for **TA336473**

NUR77 (NR4A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ChIP, ICC/IF, IHC, IP, WB
Recommended Dilution:	Chromatin Immunoprecipitation (ChIP): 1:20-1:1000, Western Blot: 1:500-1:1000, Immunohistochemistry-Paraffin: 1:200, Chromatin Immunoprecipitation: 1:20-1:1000, Immunocytochemistry/ Immunofluorescence: 1:10-1:2000, Immunoprecipitation: 1:20-1:1000, Immunohistochemistry: 1:200
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was developed against a synthetic peptide corresponding to aa 251-266 of human Nak1 (NP_775180).
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	nuclear receptor subfamily 4 group A member 1
Database Link:	NP_002126 Entrez Gene 15370 Mouse Entrez Gene 3164 Human P22736
Background:	Nak1 is a member of the steroid/thyroid hormone receptor superfamily. The gene for Nak-1 is induced rapidly by androgens/growth factors and may have functions related to cell proliferation, differentiation and apoptosis (1). Liu et al (2) have demonstrated that mouse nur77 is necessary for induced apoptosis in T-cell hybridomas and can also be induced during early mitogenesis. Nak1 is a phosphoprotein and its size ranges from 67 kD to 88 kD, depending on post-translational modifications.



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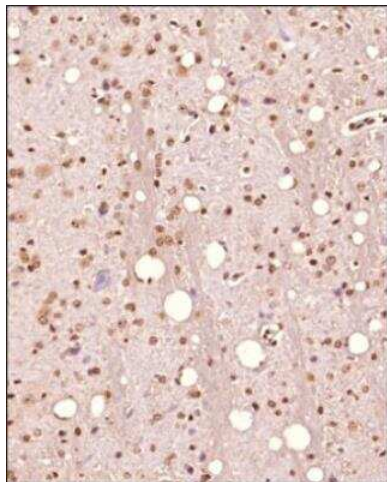
Synonyms: GFRP1; HMR; N10; NAK-1; NGFIB; NP10; NUR77; TR3

Note: Chromatin Immunoprecipitation: See Lee et al (2009)
 Immunocytochemistry/Immunofluorescence: See Chintharlapalli et al (2005)
 Immunoprecipitation: See Ferlini et al (2009)

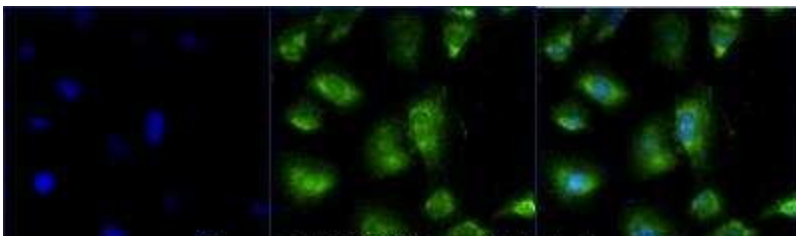
Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways: MAPK signaling pathway

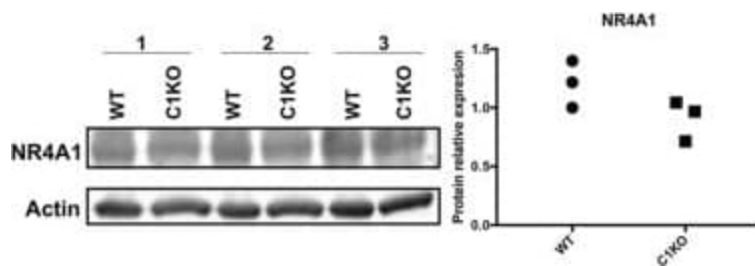
Product images:



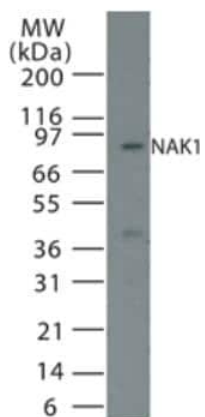
Immunohistochemistry-Paraffin: NGFI-B alpha/Nur77/NR4A1 Antibody TA336473 - Analysis of a FFPE tissue section of mouse brain using 1:200 dilution of NGFI-B alpha/Nur77/NR4A1 antibody (TA336473). The staining was developed using HRP labeled anti-rabbit secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin.



NGFI-B alpha/Nur77/NR4A1 Antibody TA336473 - U-251 MG cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with NGFI-B alpha/Nur77/NR4A1 Antibody (TA336473) at 1ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



RNA-seq results were validated by Western blot analysis in WT and calpain-1 KO mice. Western blot images and quantifications showing the expression levels of HSPA1B, DNAJB1, IDE, ARC, PER2, PLA2G4E, and NR4A1 proteins in three independent replicates, respectively. Dot plots were used for the quantification of the expression levels of 7 proteins compared to actin control in WT and calpain-1 KO mice. Unpaired t-test in Prism 7 was used to calculate p values, *p < 0.05, **p < 0.01, ***p < 0.001.



Western Blot: NGFI-B alpha/Nur77/NR4A1
Antibody TA336473 - Analysis of Nur77 (Nak-1) in
15 ugs of NIH3T3 cell lysate using Nur77 antibody
at 1:500 dilution