

NR4A1 / NUR77 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS10594**Specification**

NR4A1 / NUR77 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	P22736
Reactivity	Human, Monkey, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa KDa

NR4A1 / NUR77 Antibody (Internal) - Additional Information**Gene ID** 3164**Other Names**

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

Target/Specificity

Human NUR77. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

NR4A1 / NUR77 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

NR4A1 / NUR77 Antibody (Internal) - Protein Information**Name** NR4A1**Synonyms** GFRP1, HMR, NAK1**Function**

Orphan nuclear receptor. Binds the NGFI-B response element (NBRE) 5'-AAAGGTCA-3' (PubMed:[18690216](http://www.uniprot.org/citations/18690216)), PubMed:[8121493](http://www.uniprot.org/citations/8121493), PubMed:[9315652](http://www.uniprot.org/citations/9315652)). Binds 9-cis-retinoic acid outside of its ligand-binding (NR LBD) domain (PubMed:[18690216](http://www.uniprot.org/citations/18690216)). Participates in energy homeostasis by sequestering the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation (PubMed:[22983157](http://www.uniprot.org/citations/22983157))

target="_blank">22983157). Regulates the inflammatory response in macrophages by regulating metabolic adaptations during inflammation, including repressing the transcription of genes involved in the citric acid cycle (TCA) (By similarity). Inhibits NF-kappa-B signaling by binding to low-affinity NF-kappa-B binding sites, such as at the IL2 promoter (PubMed:15466594). May act concomitantly with NR4A2 in regulating the expression of delayed-early genes during liver regeneration (By similarity). Plays a role in the vascular response to injury (By similarity).

Cellular Location

Nucleus. Cytoplasm, cytosol. Mitochondrion Note=Nuclear export to the cytosol is XPO1-mediated and positively regulated by IFI27 (PubMed:22427340). Translocation to the mitochondrion upon interaction with RXRA and upon the presence of 9-cis retinoic acid (PubMed:17761950).

Tissue Location

Fetal muscle and adult liver, brain and thyroid.

Volume

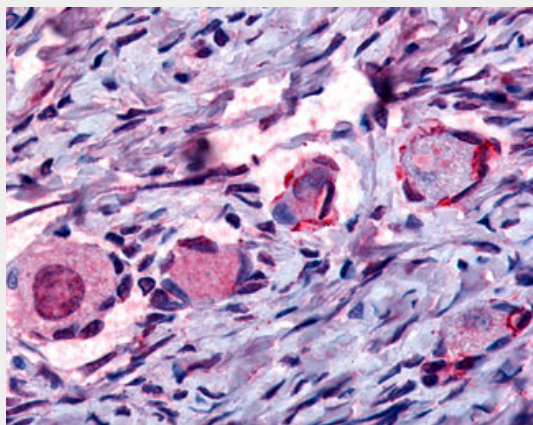
50 µl

NR4A1 / NUR77 Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NR4A1 / NUR77 Antibody (Internal) - Images



Anti-NUR77 antibody ALS10594 IHC of human primary follicles.

NR4A1 / NUR77 Antibody (Internal) - Background

Orphan nuclear receptor. May act concomitantly with NURR1 in regulating the expression of delayed-early genes during liver regeneration. Binds the NGFI-B response element (NBRE) 5'-AAAAGGTCA-3' (By similarity). May inhibit NF-kappa-B transactivation of IL2. Participates in energy

homeostasis by sequestering the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation.

NR4A1 / NUR77 Antibody (Internal) - References

Nakai A., et al. Mol. Endocrinol. 4:1438-1443(1990).

Chang C., et al. J. Steroid Biochem. 34:391-395(1989).

Ohkura N., et al. Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.

Kobayashi T., et al. Submitted (DEC-2008) to the EMBL/GenBank/DDBJ databases.

Kaighin V.A., et al. Submitted (DEC-2010) to the EMBL/GenBank/DDBJ databases.