

NUR77 (NR4A1) Antibody (S351) Blocking peptide
Synthetic peptide
Catalog # BP6289c**Specification****NUR77 (NR4A1) Antibody (S351) Blocking peptide**
- Product InformationPrimary Accession [P22736](#)**NUR77 (NR4A1) Antibody (S351) Blocking peptide**
- 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

The synthetic peptide sequence used to generate the antibody [AP6289c](#) was selected from the S351 region of human NR4A1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NUR77 (NR4A1) Antibody (S351) Blocking peptide
- Protein Information**NUR77 (NR4A1) Antibody (S351) Blocking peptide - Background**

NR4A1 is a member of the steroid-thyroid hormone-retinoid receptor superfamily. Expression is induced by phytohemagglutinin in human lymphocytes and by serum stimulation of arrested fibroblasts. This protein acts as a nuclear transcription factor. Translocation of the protein from the nucleus to mitochondria induces apoptosis.

Name NR4A1

Synonyms GFRP1, HMR, NAK1

Function

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. Plays a role in the vascular response to injury (By similarity).

Cellular Location

Nucleus. Cytoplasm. Mitochondrion. Note=Nuclear export to the cytoplasm 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.

NUR77 (NR4A1) Antibody (S351) Blocking peptide - Protocols

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

- [Blocking Peptides](#)