

NUR77 Antibody
Rabbit mAb
Catalog # AP91320

Specification

NUR77 Antibody - Product Information

Application	WB
Primary Accession	P22736
Reactivity	Rat
Clonality	Monoclonal

Other Names

Nur77; Orphan nuclear receptor HMR; Orphan nuclear receptor TR3; ST-59; Testicular receptor 3; NR4A1; GFRP1; HMR; NAK1;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	64463 Da

NUR77 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human NUR77
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

NUR77 Antibody - 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). 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

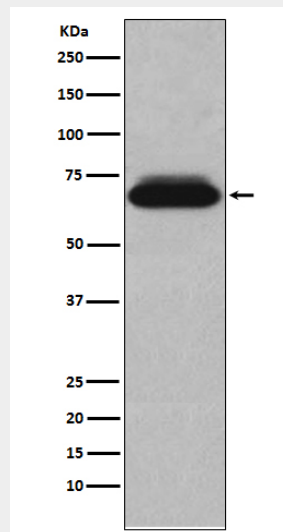
Fetal muscle and adult liver, brain and thyroid.

NUR77 Antibody - 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](#)

NUR77 Antibody - Images



Western blot analysis of NUR77 expression in HepG2 cell lysate.