

**Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody**  
**Catalog # ABO13802****Specification****Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P22736</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

**Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 3164

**Other Names**

Nuclear receptor subfamily 4immunitygroup 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

**Calculated MW**

64463 MW KDa

**Application Details**

WB 1:500-1:2000

**Subcellular Localization**

Cytoplasm. Nucleus.

**Tissue Specificity**

Fetal muscle and adult liver, brain and thyroid.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human NUR77

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for**

**up to one month. Avoid repeated  
freeze-thaw cycles.**

## **Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody - Protein Information**

**Name** NR4A1

**Synonyms** GFRP1, HMR, NAK1

### **Function**

Orphan nuclear receptor. Binds the NGFI-B response element (NBRE) 5'-AAAGGTCA-3' (PubMed:<a href="http://www.uniprot.org/citations/18690216" target="\_blank">18690216</a>, PubMed:<a href="http://www.uniprot.org/citations/8121493" target="\_blank">8121493</a>, PubMed:<a href="http://www.uniprot.org/citations/9315652" target="\_blank">9315652</a>). Binds 9-cis-retinoic acid outside of its ligand- binding (NR LBD) domain (PubMed:<a href="http://www.uniprot.org/citations/18690216" target="\_blank">18690216</a>). Participates in energy homeostasis by sequestering the kinase STK11 in the nucleus, thereby attenuating cytoplasmic AMPK activation (PubMed:<a href="http://www.uniprot.org/citations/22983157" target="\_blank">22983157</a>). 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:<a href="http://www.uniprot.org/citations/15466594" target="\_blank">15466594</a>). 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**

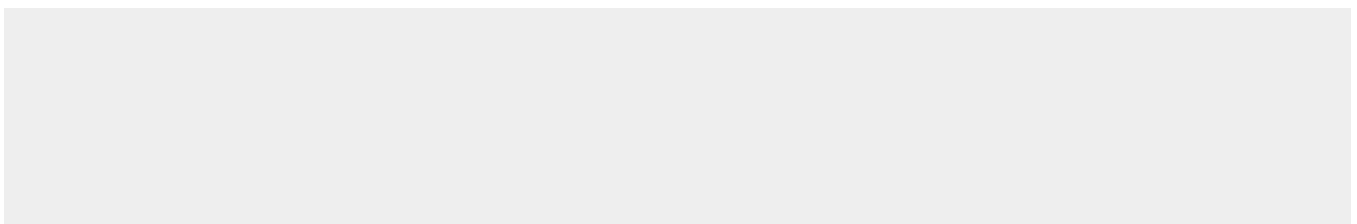
Fetal muscle and adult liver, brain and thyroid.

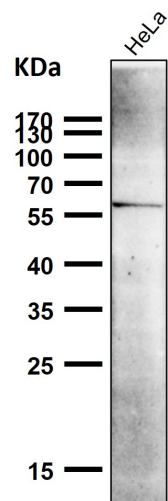
## **Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody - Protocols**

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

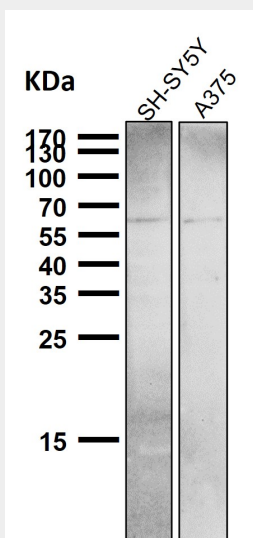
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-NUR77 NR4A1 Rabbit Monoclonal Antibody - Images**

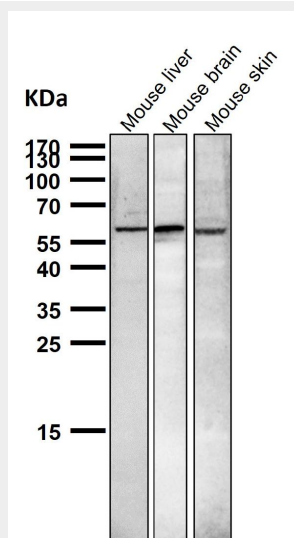




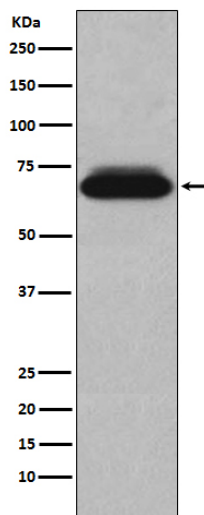
All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



Western blot analysis of NUR77 expression in HepG2 cell lysate.