

**Nur77 Polyclonal Antibody**  
**Catalog # AP71396****Specification****Nur77 Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P22736</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal

**Nur77 Polyclonal Antibody - Additional Information****Gene ID** 3164**Other Names**

NR4A1; GFRP1; HMR; NAK1; 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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.  
IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Nur77 Polyclonal 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

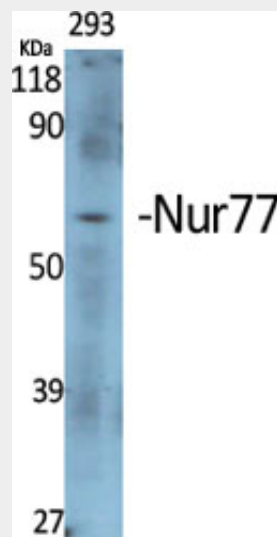
Fetal muscle and adult liver, brain and thyroid.

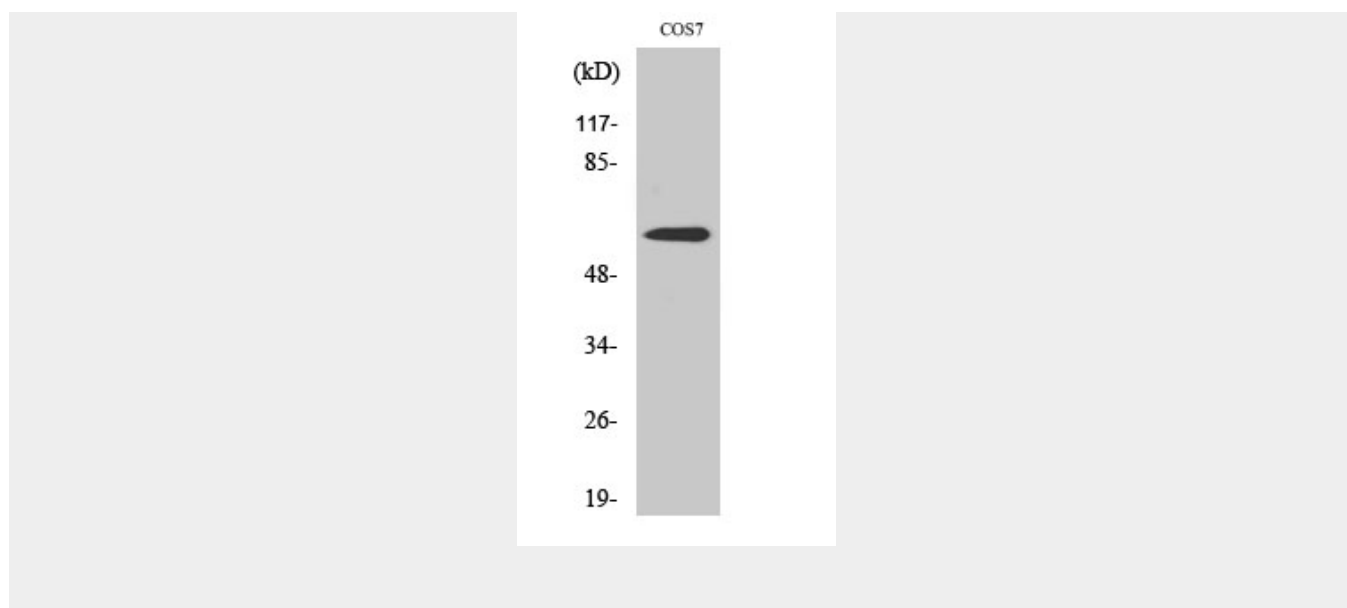
### Nur77 Polyclonal Antibody - Protocols

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 Polyclonal Antibody - Images





### Nur77 Polyclonal Antibody - 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. Plays a role in the vascular response to injury (By similarity).