NUR77 (NR4A1) Antibody (S351)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6289c

Specification

NUR77 (NR4A1) Antibody (S351) - Product Information

Application	**WB,E**
Primary Accession	P22736
Other Accession	P22829, P12813
Reactivity	**Human, Mouse, Rat**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**329-358**

NUR77 (NR4A1) Antibody (S351) - 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
This NUR77(NR4A1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-358 amino acids from human NUR77(NR4A1).

Dilution
WB~~1:500

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NUR77 (NR4A1) Antibody (S351) is for research use only and not for use in diagnostic or therapeutic procedures.

NUR77 (NR4A1) Antibody (S351) - Protein Information

Name NR4A1

Synonyms GFRP1, HMR, NAK1

Function Orphan nuclear receptor. Binds the NGFI-B response element (NBRE) 5'-AAAGGTCA-3' (PubMed:18690216, PubMed:9315652, PubMed:8121493). Binds 9-cis-retinoic acid outside of its ligand- binding (NR LBD) domain (PubMed:18690216). Participates in energy homeostasis by sequestrating 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 (NR4A1) Antibody (S351) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NUR77 (NR4A1) Antibody (S351) - Images
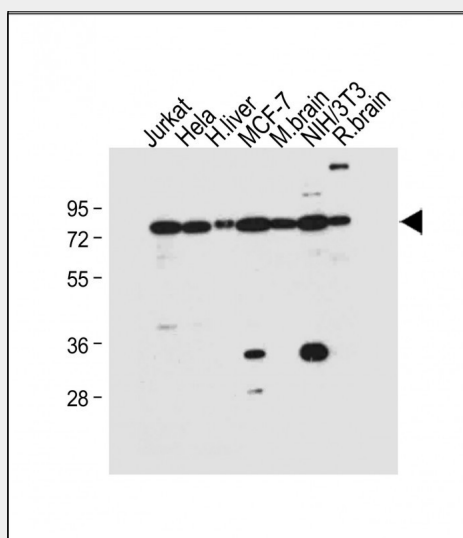
All lanes : Anti-NUR77 (NR4A1) Antibody (S351) at 1:500 dilution Lane 1: Jurkat whole cell lysate

Lane 2: Hela whole cell lysate Lane 3: Human liver tissue lysate Lane 4: MCF-7 whole cell lysate Lane 5: Mouse brain tissue lysate Lane 6: NIH/3T3 whole cell lysate Lane 7: Rat brain tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 64 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NUR77 (NR4A1) Antibody (S351) - 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.

NUR77 (NR4A1) Antibody (S351) - Citations

- [Validation of an oligo-gene signature for the prognostic stratification of ductal carcinoma in situ (DCIS).](#)