

Rabbit NUR77 Polyclonal Antibody | anti-NUR77 antibody

Phospho-NUR77 (Ser351) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329449	Rabbit	Human, Mouse, RatPredicted Reactivity: Pig (92%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NUR77; Polyclonal Antibody; Phospho-NUR77 (Ser351) Antibody; Early response protein NAK1; GFRP 1; GFRP; GFRP1; Growth factor inducible nuclear protein N10; Growth Factor Inducible Nuclear Protein NP10; Growth Factor Response Protein 1; Hbr1; HMR; Hormone Receptor; MGC9485; N10; N10 nuclear protein; NAK 1; NAK1; Nerve growth factor IB nuclear receptor variant 1; NGFIB; NP 10; NP10; NR4A1; NR4A1_HUMAN; Nuclear hormone receptor NUR/77; Nuclear Hormone Receptor TR3; Nuclear receptor subfamily 4 group A member 1; mouse; homolog of; Orphan nuclear receptor HMR; Orphan nuclear receptor NR4A1; Orphan nuclear receptor TR3; Orphan receptor tr3; Receptor NGFIB; ST 59; ST-59; ST59; Steroid receptor TR3; Testicular receptor 3; TR 3; TR3; TR3 orphan receptor; anti-NUR77 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (92%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-NUR77 (Ser351) Antibody detects endogenous levels of NUR77 only when phosphorylated at Ser351. Tissue Specificity: Fetal muscle and adult liver, brain and thyroid.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NUR77 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NUR77 around the phosphorylation site of Ser351.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated at Ser-351 by RPS6KA1 and RPS6KA3 in response to mitogenic or stress stimuli. Acetylated by p300/CBP, acetylation increases stability. Deacetylated by HDAC1.
Subunit Structure	Binds DNA as a monomer (By similarity). Interacts with GADD45GIP1. Interacts with STK11. Interacts with IFI27. Heterodimer (via DNA-binding domain) with RXRA (via C-terminus); DNA-binding of the heterodimer is enhanced by 9-cis retinoic acid. Competes for the RXRA interaction with EP300 and thereby attenuates EP300 mediated acetylation of RXRA.
Similarity	Belongs to the nuclear hormone receptor family. NR4 subfamily.

Subcellular 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).
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/100 staining Human pancreatic cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Mouse pancreatic tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of Phospho-Nur77 (Ser351) in lysates of jurkat TPA and calcium ionophore A23187 4h, using Phospho-Nur77 (Ser351) Antibody(AF4412).



WB (Western Blot)
Western blot analysis of extracts from jurkat treated with TPA and calcium ionophore A23187 4h, using Phospho-Nur77 (Ser351) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NUR77 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	320202956
NCBI GeneID	3164
NCBI Accession #	NP_001189162.1
NCBI GenBank Nucleotide #	NM_001202233.1
UniProt Accession #	P22736; B4DML7
Molecular Weight	64,463 Da
NCBI Official Full Name	nuclear receptor subfamily 4 group A member 1 isoform 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 4, group A, member 1

NCBI Official Symbol	NR4A1
NCBI Official Synonym Symbols	HMR; N10; TR3; NP10; GFRP1; NAK-1; NGFIB; NUR77
NCBI Protein Information	nuclear receptor subfamily 4 group A member 1; ST-59; hormone receptor; TR3 orphan receptor; steroid receptor TR3; testicular receptor 3; early response protein NAK1; orphan nuclear receptor HMR; orphan nuclear receptor TR3; nuclear hormone receptor NUR/7
UniProt Protein Name	Nuclear receptor subfamily 4 group A member 1
UniProt Gene Name	NR4A1
UniProt Synonym Gene Names	GFRP1; HMR; NAK1; Nur77
UniProt Entry Name	NR4A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nur77-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329449>