

Rabbit NURR1 (NR4A2) Polyclonal Antibody | anti-NR4A2 antibody

NURR1 (NR4A2) Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286182	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

NURR1 (NR4A2); Polyclonal Antibody; NURR1 (NR4A2) Antibody (N-term); Nuclear receptor subfamily 4 group A member 2; Immediate-early response protein NOT; Orphan nuclear receptor NURR1; Transcriptionally-inducible nuclear receptor; NR4A2; NOT; NURR1; TINUR; anti-NR4A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NURR1 (NR4A2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-42 amino acids from the N-terminal region of human NURR1 (NR4A2).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	13-42
Sequence Length	535
Applicable Applications for anti-NR4A2 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

NR4A2 Antibody (N-term) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the NR4A2 antibody detected the NR4A2 protein (arrow).



IF (Immunofluorescence)

Confocal immunofluorescent analysis of NURR1 (NR4A2) Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with NURR1 (NR4A2) antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-NURR1(NR4A2) Pab in mouse brain tissue lysate. NURR1(NR4A2) (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-NR4A2 antibody	Parkinson's disease (PD) is a multifactorial disease that appears to arise from the effects of both genetic and environmental influences. The known genetic factors include multiple genes that have been identified in related parkinsonian syndromes, as well as alpha-synuclein. Genes associated with either PD or Parkinson-related disorders include parkin, DJ-1, ubiquitin C-terminal hydrolase isozyme L1 (UCH-L1), nuclear receptor-related factor 1 (NURR1), and alpha-synuclein. Nurr1 is a transcription factor that is expressed in the embryonic ventral midbrain and is critical for the development of dopamine (DA) neurons. It belongs to the conserved family of nuclear receptors but lacks an identified ligand and is therefore referred to as an orphan receptor. RXR ligands can promote the survival of DA neurons via a process that depends on Nurr1-RXR heterodimers. In developing DA cells, Nurr1 is required for the expression of several genes important for DA synthesis and function. Nurr1 is also important for the maintenance of adult DA neurons.
Product Categories/Family for anti-NR4A2 antibody	Cancer ; Immunology ; Metabolism ; Neuroscience ; Signal Transduction
References	Perlmann T, et al. Cell Tissue Res. 318(1):45-52 (2004) Hsu HC,et al. Curr Drug Targets Inflamm Allergy. 3(4):413-23 (2004) Wallen-Mackenzie A, et al. Genes Dev. 17(24):3036-47 (2003) Ichinose,H., et al. Gene 230 (2), 233-239 (1999) Okabe,T., et al. J. Immunol. 154 (8), 3871-3879 (1995) Mages,H.W., et al. Mol. Endocrinol. 8 (11), 1583-1591 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453822
NCBI GeneID	4929
NCBI Accession #	NP_006177.1
NCBI GenBank Nucleotide #	NM_006186.3
UniProt Accession #	P43354 ; Q16311 ; Q53RZ2 ; Q6NXU0
Molecular Weight	66591
NCBI Official Full Name	nuclear receptor subfamily 4 group A member 2
NCBI Official Synonym Full Names	nuclear receptor subfamily 4, group A, member 2
NCBI Official Symbol	NR4A2
NCBI Official Synonym Symbols	NOT; RNR1; HZF-3; NURR1; TINUR
NCBI Protein Information	nuclear receptor subfamily 4 group A member 2
UniProt Protein Name	Nuclear receptor subfamily 4 group A member 2
UniProt Gene Name	NR4A2
UniProt Synonym Gene Names	NOT; NURR1; TINUR
UniProt Entry Name	NR4A2_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.

