

Rabbit anti-Human NR4A2 Polyclonal Antibody | anti-NR4A2 antibody

Anti-NR4A2 Antibody, Rabbit Polyclonal

CATALOG # AAA256458	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

NR4A2; Polyclonal Antibody; Anti-NR4A2 Antibody; Rabbit Polyclonal; NR4A2 Antibody; Rabbit PAb; Antigen Affinity Purified; nuclear receptor subfamily 4; group A; member 2; Anti-HZF-3 Antibody; Anti-NOT Antibody; Anti-NURR1 Antibody; Anti-RNR1 Antibody; Anti-TINUR Antibody; anti-NR4A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NR4A2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NR4A2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human NR4A2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NR4A2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of NR4A2 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human NR4A2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human NR4A2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human NR4A2 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-NR4A2 antibody

NR4A2 is a nuclear receptor and a transcription factor, with distinctive physiological features. NR4A2, a member of the NR4A orphan nucleus receptor family, is upregulated in mouse hearts with MI injury. Furthermore, NR4A2 knockdown aggravates heart injury as evidenced by enlarged hearts and increased apoptosis. NR4A2 is critical for the development and maintenance of midbrain dopaminergic neurons and is associated with Parkinson's disease. In the cell nuclei of the central nervous system, it is widely expressed and identified as a crucial regulator of dopaminergic (DA) neuronal differentiation, survival, and maintenance. Importantly, it has regulated different genes crucial for dopaminergic signals, and its expression has been diminished in aged and PD post-mortem brains. NR4A2 is involved in the modulation of target gene transcription, regulating several developmental processes such as regulation of cellular homeostasis, neuronal development, inflammation, and carcinogenesis.

References

Liu H, et al. (2018) Nr4a2 protects cardiomyocytes against myocardial infarction injury by promoting autophagy. Cell Death Discov 4 27. Levy J, et al. (2018) Nr4a2 haploinsufficiency is associated with intellectual disability and autism spectrum disorder. Clin Genet 94 (2): 264-268. Jakaria M, et al. (2019) Molecular insights into nr4a2(nurr1): An emerging target for neuroprotective therapy against neuroinflammation and neuronal cell death. Mol Neurobiol 56 (8): 5799-5814.

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/nr4a2-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/256458>