

Anti-Nurr1 Picoband Antibody
Catalog # ABO11988**Specification**

Anti-Nurr1 Picoband Antibody - Product Information

Application	WB
Primary Accession	P43354
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Nuclear receptor subfamily 4 group A member 2(NR4A2) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Nurr1 Picoband Antibody - Additional Information

Gene ID 4929

Other Names

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

Calculated MW

66591 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cytoplasm. Nucleus. Mostly nuclear; oxidative stress promotes cytoplasmic localization.

Tissue Specificity

Expressed in a number of cell lines of T-cell, B-cell and fibroblast origin. Strong expression in brain tissue.

Protein Name

Nuclear receptor subfamily 4 group A member 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

E.coli-derived human Nurr1 recombinant protein (Position: D383-F598). Human Nurr1 shares 100% amino acid (aa) sequence identity with both mouse and rat Nurr1.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the nuclear hormone receptor family. NR4 subfamily.

Anti-Nurr1 Picoband Antibody - Protein Information

Name NR4A2

Synonyms NOT, NURR1, TINUR

Function

Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development (PubMed:15716272, PubMed:17184956). It is crucial for expression of a set of genes such as SLC6A3, SLC18A2, TH and DRD2 which are essential for development of mdDA neurons (By similarity).

Cellular Location

Cytoplasm. Nucleus. Note=Mostly nuclear; oxidative stress promotes cytoplasmic localization

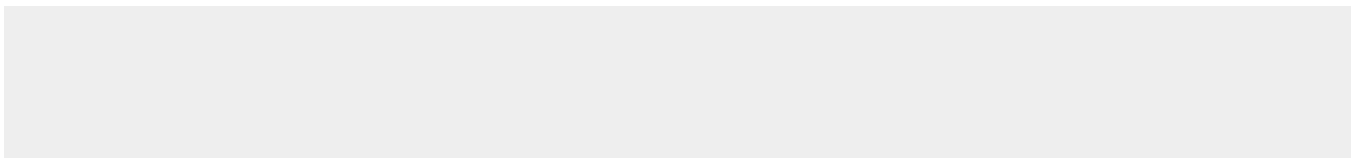
Tissue Location

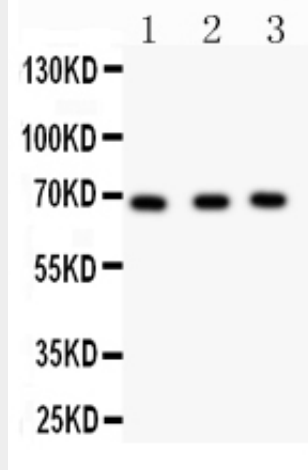
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Anti-Nurr1 Picoband Antibody - Protocols

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](#)

Anti-Nurr1 Picoband Antibody - Images



Anti-Nurr1 Picoband antibody, ABO11988, Western blotting All lanes: Anti Nurr1 (ABO11988) at 0.5ug/ml Lane 1: U87 Whole Cell Lysate at 40ug Lane 2: HT1080 Whole Cell Lysate at 40ug Lane 3: HUT Whole Cell Lysate at 40ug Predicted bind size: 67KD Observed bind size: 67KD

Anti-Nurr1 Picoband Antibody - Background

This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcription factor. Mutations in this gene have been associated with disorders related to dopaminergic dysfunction, including Parkinson disease, schizophrenia, and manic depression. Misregulation of this gene may be associated with rheumatoid arthritis. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.