

Rabbit Anti-Nurr1 antibody

SL0178R

Product Name Nurr1

Chinese Name 核受体相关因子-1 抗体

Alias

Nur-related factor 1; Nuclear receptor-related factor 1; Orphan nuclear receptor NR4A2; Orphan nuclear receptor NURR1; Regenerating liver nuclear receptor 1; RNR-1; SL-322; Nuclear orphan receptor HZF-3; T-cell nuclear receptor NOT; HZF 3; HZF3; Immediate-early response protein NOT; Intermediate early receptor protein; NGFI B/nur77 beta type transcription factor homolog; NOT; NR4A2; NR4A2_HUMAN; Nuclear receptor subfamily 4 group A member 2; Nur related protein 1 homolog; Nurr 1; RNR 1; RNR1; TINUR; Transcriptionally inducible nuclear receptor; Transcriptionally inducible nuclear receptor related; Transcriptionally inducible nuclear receptor related 1; Transcriptionally-inducible nuclear receptor.

Research Area

Chromatin and nuclear signals Neurobiology The new supersedes the old Epigenetics

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species

Human Mouse Rat

Applications

WB=1:200-1000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight

67kDa

Cellular localization

The nucleus

Form

Liquid

Concentration 1mg/ml

immunogen

KLH conjugated synthetic peptide derived from human Nurr1: 301-400/598

Lsotype

IgG

Purification

affinity purified by Protein A

Buffer Solution Human,Mouse,Rat1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

[PubMed](#)

Nuclear receptor and transcription factor; plays a role in development and maintenance of neurons synthesizing the neurotransmitter dopamine 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, schizopernia, and manic depression. Misregulation of this gene may be associated with rheumatoid arthritis. Four transcript variants encoding four distinct isoforms have been identified for this gene. Additional alternate splice variants may exist, but their full length nature has not been determined.

Function:

Transcriptional regulator which is important for the differentiation and maintenance of meso-diencephalic dopaminergic (mdDA) neurons during development. 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.

Subunit:

Interacts with SFPQ, NCOR2, SIN3A and HADC1. The interaction with NCOR2 increases in the absence of PITX3 (By similarity).

Product Detail

Subcellular Location:

Nucleus.

Tissue Specificity:

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

Similarity:

Belongs to the nuclear hormone receptor family. NR4 subfamily. Contains 1 nuclear receptor DNA-binding domain.

SWISS:

P43354

Gene ID:

4929

Database links:

[Entrez Gene: 4929](#) Human

[Entrez Gene: 18227](#) Mouse

[Entrez Gene: 54278](#) Rat

[Omim: 601828](#) Human

[SwissProt: P43354](#) Human

[SwissProt: Q06219](#) Mouse

[SwissProt: Q07917](#) Rat

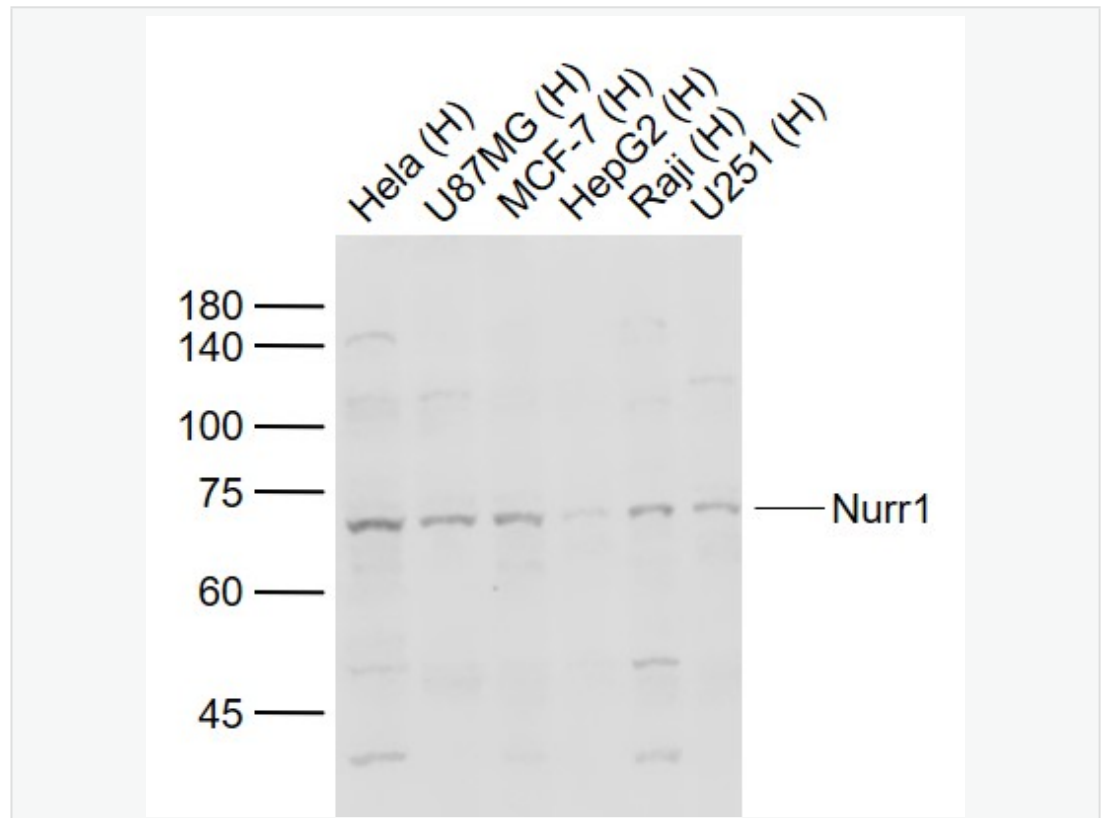
[Unigene: 563344](#) Human

[Unigene: 3507](#) Mouse

[Unigene: 88129](#) Rat

该抗体和类固醇/甲状腺素受体密切相关的早期应急反应基因，也受各种生长因子的诱导。中脑多巴胺神经细胞和脑 Stem cells 表达。

**Product
Picture**



Sample:

Lane 1: Hela (Human) Cell Lysate at 30 ug

Lane 2: U87MG (Human) Cell Lysate at 30 ug

Lane 3: MCF-7 (Human) Cell Lysate at 30 ug

Lane 4: HepG2 (Human) Cell Lysate at 30 ug

Lane 5: Raii (Human) Cell Lysate at 30 ug

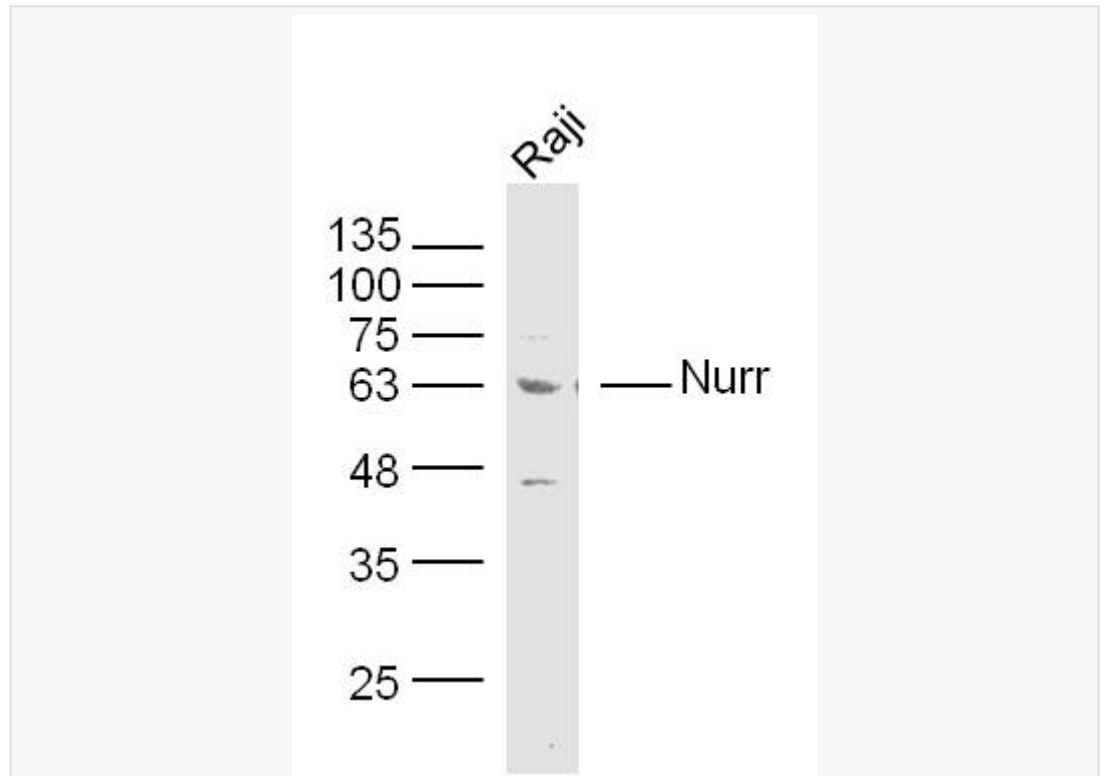
Lane 6: U251 (Human) Cell Lysate at 30 ug

Primary: Anti-Nurr1 (SL0178R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 70 kD

Observed band size: 70 kD



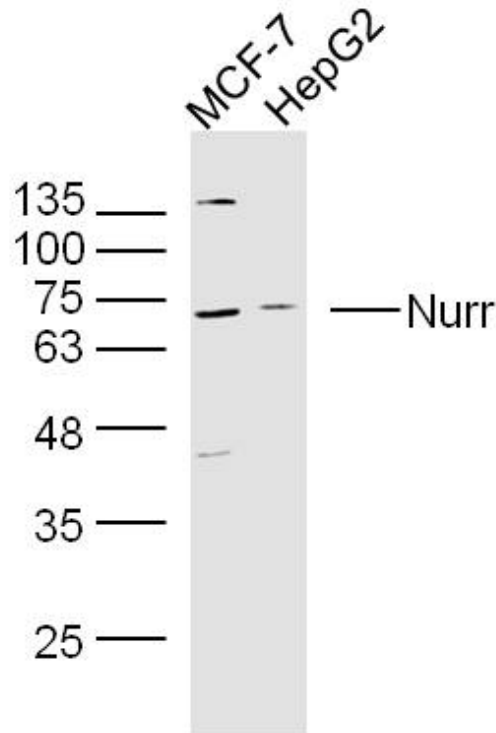
Sample: Raji Cell (Human) Lysate at 40 ug

Primary: Anti- Nurr1 (SL0178R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 67 kD

Observed band size: 65 kD



Sample:

MCF-7 Cell (Human) Lysate at 40 ug

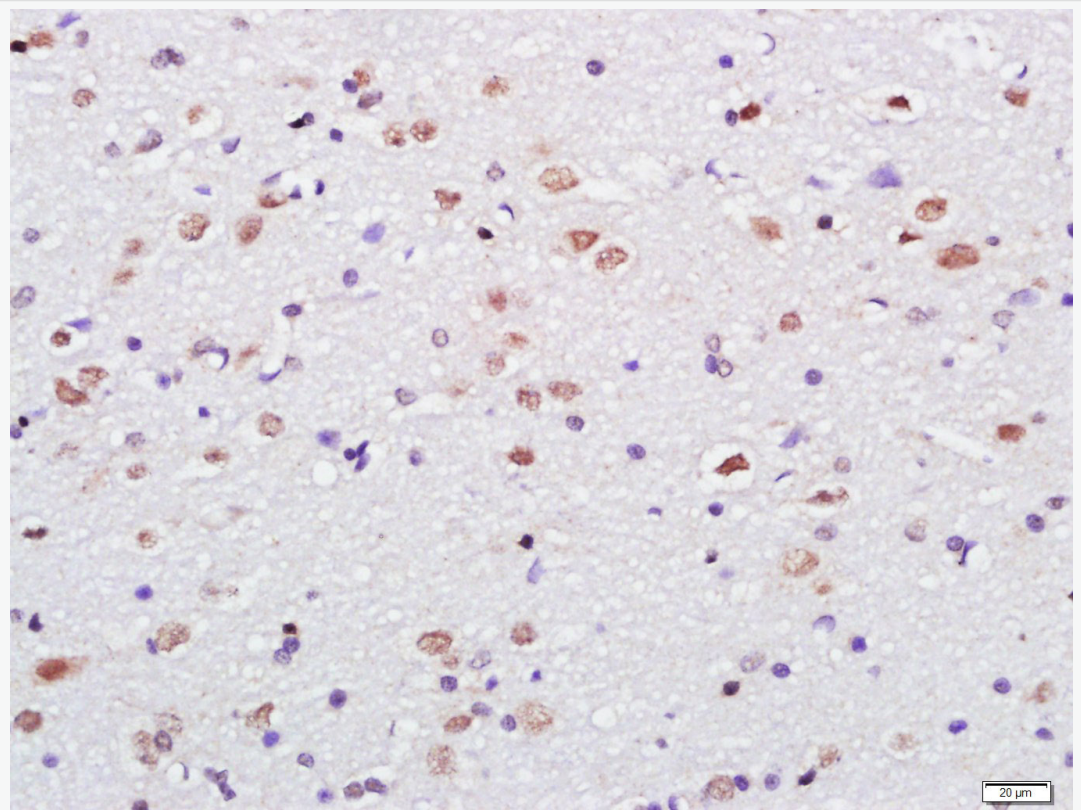
HepG2 Cell (Human) Lysate at 40 ug

Primary: Anti- Nurr1 (SL0178R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 67 kD

Observed band size: 70 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Nurr1) Polyclonal Antibody, Unconjugated (SL0178R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.