



Rabbit Anti-Nurr1 antibody

SL20745R

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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	67kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Nurr1:111-200/598
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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, schizophrenia, 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.

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

Product Detail:

[SwissProt: P43354](#)Human

[SwissProt: Q06219](#)Mouse

[SwissProt: Q07917](#)Rat

[Unigene: 563344](#)Human

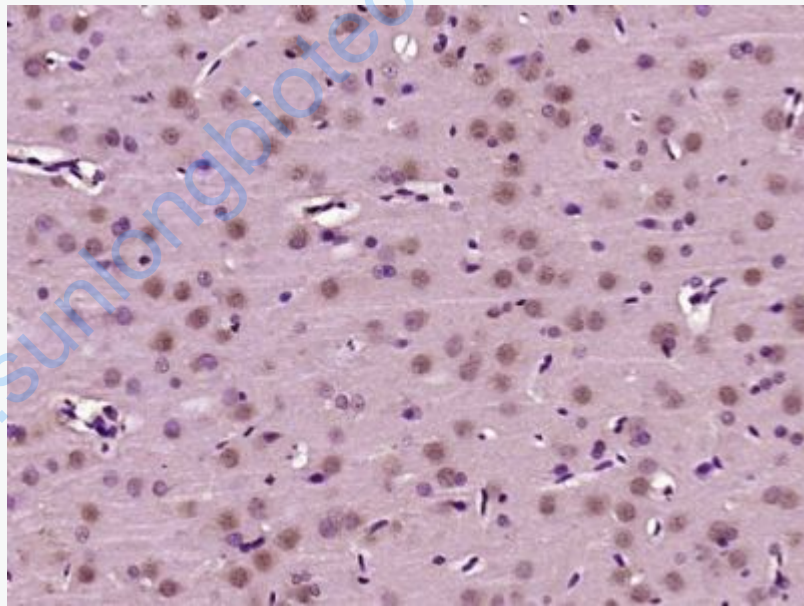
[Unigene: 3507](#)Mouse

[Unigene: 88129](#)Rat

Important Note:

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

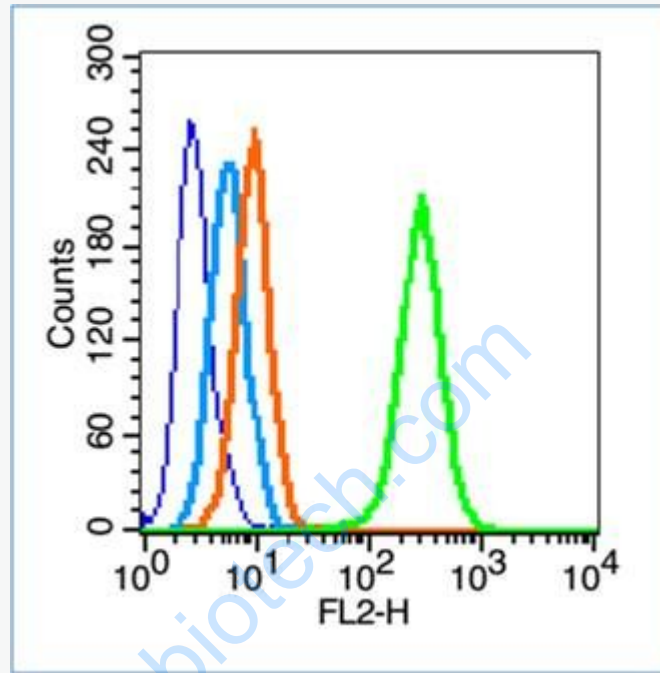
该抗体和类固醇/甲状腺素受体密切相关的早期应急反应基因，也受各种生长因子的诱导。中脑多巴胺神经细胞和脑Stem cells表达。



Picture:

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 (SL20745R) at 1:400 overnight at 4°C, followed by operating according to SP

Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (blue line): Hep G2 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min at -20°C).

Primary Antibody (green line): Rabbit Anti-Nurr1 antibody (SL20745R), Dilution: 0.2µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE, Dilution: 1µg /test.