

Nurr1/NR4A2 Polyclonal Antibody

Catalog number: 10975-2-AP

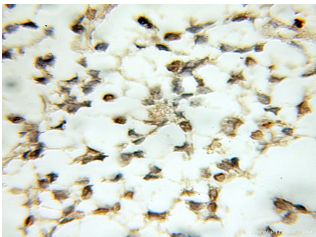
Size: 36 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

NR4A2; HZF 3, NOT, NR4A2,
NURR1, Nurr1/NR4A2, Orphan
nuclear receptor NURR1,
RNR1, TINUR



Immunohistochemical of paraffin-embedded human gliomas using 10975-2-AP (NR4A2 antibody) at dilution of 1:50 (under 10x lens)

Background

NR4A2 belongs to the orphan nuclear receptor (NR) family referred to as NR4A family, which have been implicated in cell cycle regulation, apoptosis, inflammation, metabolism and more recently in carcinogenesis [PMID:22583411]. NR4A2 also has a role in the expression of several proteins that are necessary for the synthesis and regulation of dopamine (DA), such as tyrosine hydroxylase, dopamine transporter, vesicular monoamine transporter 2, and cRET [PMID:22294735]. Act as a transcriptional regulator, NR4A2 is essential 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 [PMID: 17184956].

Applications

Tested applications:	ELISA, IHC
Cited applications:	IHC, WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated Nurr1/NR4A2 MW:	66kd
Observed Nurr1/NR4A2 MW:	
Positive IHC detected in	Human gliomas tissue
Recommended dilution:	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1418
GenBank accession number:	BC009288
Gene ID (NCBI):	4929
Full name:	Nuclear receptor subfamily 4, group A, member 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.