

For Research Use Only

Nurr1/NR4A2 Monoclonal antibody



Catalog Number: 66878-1-Ig 4 Publications

Basic Information

Catalog Number: 66878-1-Ig	GenBank Accession Number: BC009288	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 4929	CloneNo.: 1H5B4
Source: Mouse	UNIPROT ID: P43354	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG1	Full Name: nuclear receptor subfamily 4, group A, member 2	
Immunogen Catalog Number: AG1418	Calculated MW: 66 kDa	
	Observed MW: 67 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : Jurkat cells, Ramos cells, Daudi cells, HT-29 cells, Raji cells IHC : human prostate cancer tissue,
Cited Applications: WB, IHC	
Species Specificity: Human, mouse	
Cited Species: human, rat, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

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 DA, such as tyrosine hydroxylase, DA 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 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].

Notable Publications

Author	Pubmed ID	Journal	Application
Zhi Jiang	36228967	Mol Cell Neurosci	WB, IHC
Wenzhou Liu	35083277	Front Mol Biosci	WB
Qiong-Zi He	36569276	World J Gastroenterol	WB

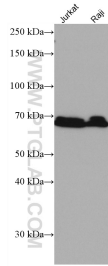
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

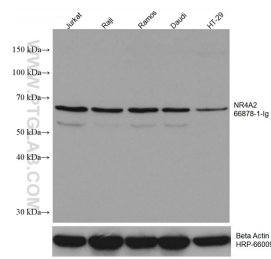
For technical support and original validation data for this product please contact:
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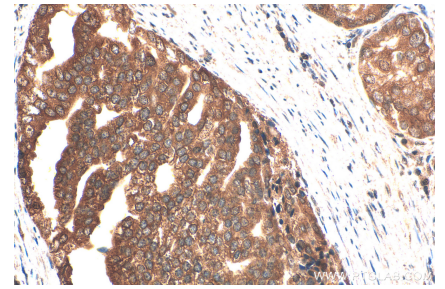
Selected Validation Data



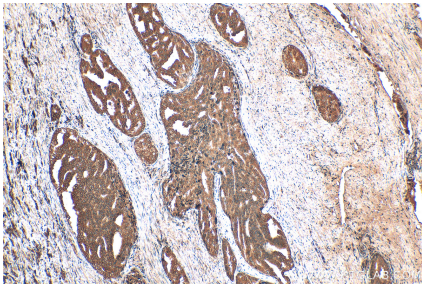
Various lysates were subjected to SDS PAGE followed by western blot with 66878-1-Ig (Nurr1/NR4A2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66878-1-Ig (Nurr1/NR4A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66878-1-Ig (Nurr1/NR4A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66878-1-Ig (Nurr1/NR4A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).