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NR4A2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21092a

Product Information

Application	WB, E
Primary Accession	P43354
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51466
Calculated MW	66591

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
Target/Specificity	This NR4A2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 380-412 amino acids from the Central region of human NR4A2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NR4A2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

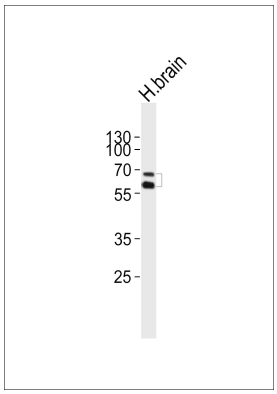
Background

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 (By similarity).

References

Mages H.W.,et al.Mol. Endocrinol. 8:1583-1591(1994).
Ichinose H.,et al.Gene 230:233-239(1999).
Torii T.,et al.Gene 230:225-232(1999).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from human brain tissue lysate, using NR4A2 Antibody (Center)(Cat. #AP21092a). AP21092a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.