

Product datasheet for **TA392550M**

Nurr1 (NR4A2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:2000~1:5000 IHC: 1:50~1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human NURR1.
Specificity:	NURR1 polyclonal antibody detects endogenous levels of NURR1 protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 75 kDa
Gene Name:	nuclear receptor subfamily 4 group A member 2
Database Link:	Entrez Gene 4929 Human P43354



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Background:

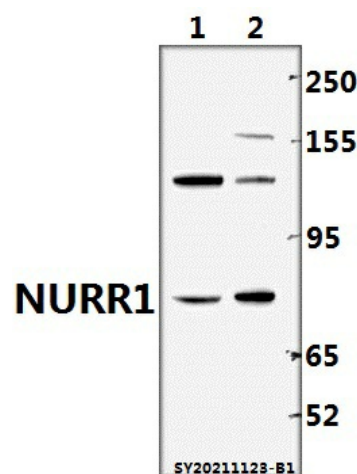
Nurr1 (Nur-related factor 1) and Nur77 (also designated NGFI-B) encode orphan nuclear receptors which may comprise an additional subfamily within the nuclear receptor superfamily. The rat and human homologs of mouse Nurr1 are designated RNR1 and NOT, respectively. Both Nurr1 and Nur77 are growth factor inducible, immediate early response genes. Induction of both Nurr1 and Nur77 is seen after membrane depolarization while only Nur77 induction is seen with NGF stimulation. JunD acts as a mediator for Nur77. An increase in Nur77 expression is seen in activated T cells during G0 to G1 transition and throughout the G1 phase. In addition to its function as an immediate early gene, Nur77 may play a role in TCR-mediated apoptosis. Cyclosporin A, a potent immuno-suppressant, has been shown to inhibit the ability of Nur77 to bind DNA. A dominant negative form of Nur77 can protect T cell hybridomas from activation-induced apoptosis. However, the absolute requirement of Nur77 for TCR-mediated apoptosis is still under debate.

Synonyms:

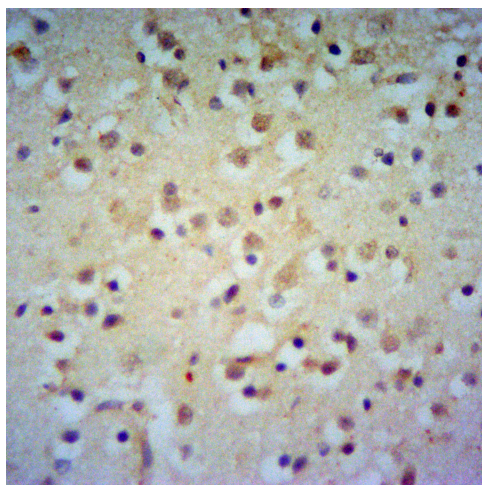
Immediate-early response protein NOT; NOT; NR4A2; Nuclear receptor subfamily 4 group A member 2; NURR1; Orphan nuclear receptor NURR1; TINUR; Transcriptionally-inducible nuclear receptor

Note:

For research use only, not for use in diagnostic procedure.

Product images:


Western blot (WB) analysis of NURR1 polyclonal antibody at 1:2000 dilution Lane1: HEK293T whole cell lysate(40ug) Lane2: A549 whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Human Brain using NURR1 antibody at dilution of 1:50.