

#### DESCRIPTION

|                                                                                                                                                                                                         |                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b>                                                                                                                                                                               | Human/Mouse                                                                                                  |
| <b>Specificity</b>                                                                                                                                                                                      | Detects human and mouse Nurr1/NGFI-B $\beta$ /NR4A2 in direct ELISAs and Western blots.                      |
| <b>Source</b>                                                                                                                                                                                           | Polyclonal Goat IgG                                                                                          |
| <b>Purification</b>                                                                                                                                                                                     | Antigen Affinity-purified                                                                                    |
| <b>Immunogen</b>                                                                                                                                                                                        | <i>E. coli</i> -derived recombinant mouse Nurr1/NGFI-B $\beta$ /NR4A2<br>Val332-Lys558<br>Accession # Q06219 |
| <b>Conjugate</b>                                                                                                                                                                                        | Alexa Fluor 532<br>Excitation Wavelength: 534 nm<br>Emission Wavelength: 553 nm                              |
| <b>Formulation</b>                                                                                                                                                                                      | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide                                                 |
| *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |                                                                                                              |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the Technical Information section on our website.

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Western Blot</b>         | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunocytochemistry</b>  | Optimal dilution of this antibody should be experimentally determined. |
| <b>Immunohistochemistry</b> | Optimal dilution of this antibody should be experimentally determined. |

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

Nurr1 belongs to the nerve growth factor-induced clone B subfamily of nuclear receptor superfamily and is designated NR4A2 in the Unified Nomenclature System for NRs. Nurr1 can function as a ligand-independent transcription factor. Nurr1 also heterodimerizes with retinoid X receptors (RXRs) to function as ligand-regulated transcription factor. Nurr1 is important for specification of dopaminergic neurons that degenerate in Parkinson's disease. Human and mouse Nurr1 share 99% amino acid sequence homology.

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