

Anti human NGFI -B alpha mouse monoclonal antibody

NGFI-B alpha: Nerve growth factor-induced clone B alpha

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| Code No | PP-H1648-00 |
| Clone No. | H1648 |
| Lot. | A-1 |
| Concentration | 1 mg/mL |
| Volume | 100 uL |
| Ig Class | G2a |

Description Nerve growth factor inducible factor I-B alpha (NGFI-Ba, NAK1, TR3; NR4A1) is a member of orphan nuclear receptor. NGFI-Ba is expressed in brain, adrenal, thyroid, liver, testis, ovary, thymus, muscle, lung and prostate. Its expression is induced in response to various stress stimuli and growth factors. NGFI-Ba is involved in mediating apoptotic signaling in thymocytes and tumor cells, as well as having a role in signaling in the hypothalamic-pituitary axis. RXR has been shown to be a partner for NR4A1.

Nomenclature NR4A1

Genbank L13740

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human NGFI-B alpha (2-249 aa) .

Specificity This antibody specifically recognizes human NGFI-B alpha but does not recognize human NGFI-B beta and gamma. Not yet tested in other species.

Purification Ammonium sulfate fractionation

Formulation Physiological saline with 0.1% NaN₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 1 ug/mL

Non reducing Western Blot Not yet tested

ELISA 0.3 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Not yet tested

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry Not yet tested

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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MADE IN JAPAN

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