

## 10-6534: Mouse Monoclonal Antibody to NGFR (Clone: 8G3G10)(Discontinued)

|                           |  |
|---------------------------|--|
| <b>Clonality :</b>        | Monoclonal   |
| <b>Clone Name :</b>       | 8G3G10   |
| <b>Application :</b>      | IF, WB, IHC-P  |
| <b>Reactivity :</b>       | Human, Mouse   |
| <b>Gene :</b>             | NGFR   |
| <b>Gene ID :</b>          | 4804   |
| <b>Uniprot ID :</b>       | P08138   |
| <b>Format :</b>           | Purified   |
| <b>Alternative Name :</b> | Tumor necrosis factor receptor superfamily member 16, Gp80-LNGFR, Low affinity neurotrophin receptor p75NTR, Low-affinity nerve growth factor receptor, NGF receptor, p75 ICD, CD271, NGFR, TNFRSF16 |
| <b>Isotype :</b>          | Mouse IgG2b, Kappa   |

### Description

Nerve growth factor receptor contains an extracellular domain containing four 40-amino acid repeats with 6 cysteine residues at conserved positions followed by a serine/threonine-rich region, a single transmembrane domain, and a 155-amino acid cytoplasmic domain. The cysteine-rich region contains the nerve growth factor binding domain.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 400 ul  |
| <b>Purification :</b>      | Protein G Chromatography  |
| <b>Content :</b>           | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.   |
| <b>Storage condition :</b> | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles. |

### Application Note

IF~1:100|| WB~1:500~1000|| IHC-P~1:50~100

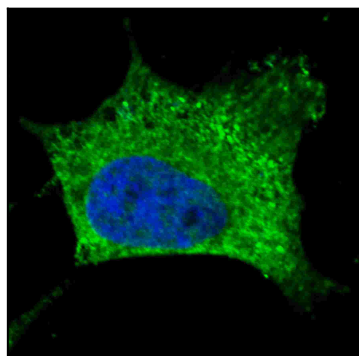


Figure 1: Fluorescent confocal image of SY5Y cells stained with NGFR antibody (10-6534). SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with NGFR primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 µg/ml, 5 min).

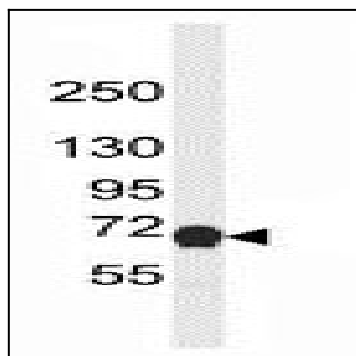


Figure 2: Western blot analysis of NGFR Antibody (10-6534) in mouse heart tissue lysates (35 $\mu$ g/lane). NGFR was detected using the purified Mab.(1:1000)



Figure 3: Immunohistochemistry analysis of NGFR Antibody (10-6534) in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NGFR Antibody for immunohistochemistry. Clinical relevance has not been evaluated.