

## Product datasheet for **CF812984**

### **p75 NGF Receptor (NGFR) Mouse Monoclonal Antibody [Clone ID: OTI2H6]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2H6
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:500, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human Ngfr (NP_002498) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	45.18 kDa
<b>Gene Name:</b>	nerve growth factor receptor
<b>Database Link:</b>	<a href="#">NP_002498</a> <a href="#">Entrez Gene 18053 Mouse</a> <a href="#">Entrez Gene 24596 Rat</a> <a href="#">Entrez Gene 4804 Human</a> <a href="#">P08138</a>



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**Background:**

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. [provided by RefSeq, Jul 2008]

**Synonyms:**

CD271; Gp80-LNGFR; p75(NTR); p75NTR; TNFRSF16

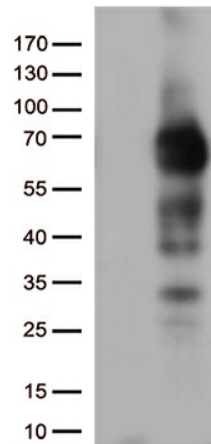
**Protein Families:**

Druggable Genome, Transmembrane

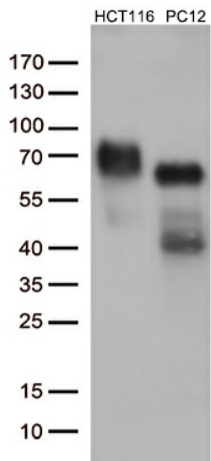
**Protein Pathways:**

Cytokine-cytokine receptor interaction, Neurotrophin signaling pathway

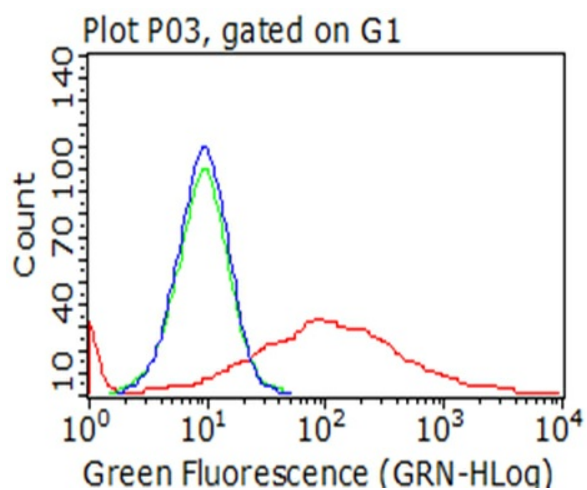
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NGFR ([RC207966], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NGFR (1:500).



Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-NGFR monoclonal antibody (1:500).



Flow cytometric analysis of living 293T cells transfected with NGFR overexpression plasmid ([RC207966]), Red)/empty vector ([PS100001], Blue) using anti-NGFR antibody ([TA812984]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).