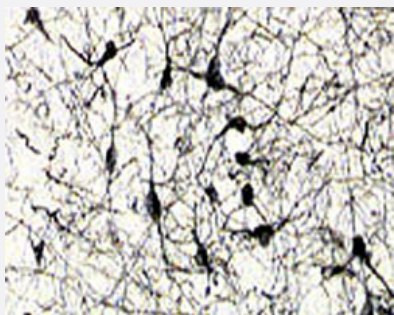


# Ngfr monoclonal antibody, clone MC192

Catalog # MAB5595

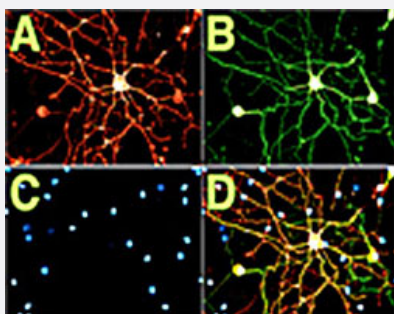
Size 100 ug

## Applications



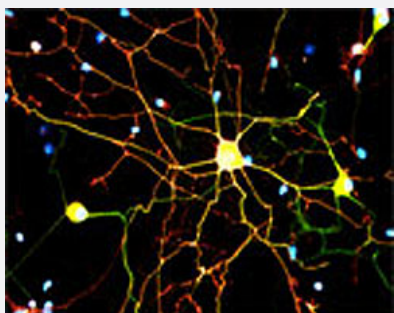
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining in rat forebrain using Ngfr monoclonal antibody, clone MC192 (Cat # MAB5595). Paraformaldehyde fixed rat brain sections were incubated with 1 ug/mL antibody overnight, followed by incubation with biotinylated rabbit anti-mouse IgG conjugate. The immunocomplex was then visualised with DAB. Neurons, in the septal nuclei of basal forebrain, known to be cholinergic neurons, show strong staining for Ngfr.



### Immunofluorescence

Immunofluorescent detection in cultured rat dorsal root ganglion (DRG). (A) Detection of Ngfr using Ngfr monoclonal antibody, clone MC192 (Cat # MAB5595). (B) Detection of betaIII-Tubulin. (C) DAPI staining. (D) Merged A, B and C.



### Immunofluorescence

Immunofluorescent detection in cultured rat dorsal root ganglion (DRG) using Ngfr monoclonal antibody, clone MC192 (Cat # MAB5595). Merged pictures of cultured rat DRG triple-stained for Ngfr (red colour), beta-Tubulin (green colour) and nuclei using DAPI (violet colour).

## Specification

### Product Description

Mouse monoclonal antibody raised against Ngfr.

<b>Immunogen</b>	Rat Ngfr.
<b>Host</b>	Mouse
<b>Reactivity</b>	Rat
<b>Specificity</b>	Specificity has been confirmed by immunohistochemical staining of lesioned sciatic nerve and spinal cord, the results reflect the reported literatures.
<b>Form</b>	Lyophilized
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from cell culture supernatant (1% BSA)
<b>Storage Instruction</b>	Store at 4°C on dry atmosphere. After reconstitution with 100 uL sterilized water, store at -20°C or lower. For an additional stability glycerol (1:1) may be added.

## Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining in rat forebrain using Ngfr monoclonal antibody, clone MC192 (Cat # MAB5595). Paraformaldehyde fixed rat brain sections were incubated with 1 ug/mL antibody overnight, followed by incubation with biotinylated rabbit anti-mouse IgG conjugate. The immunocomplex was then visualised with DAB. Neurons, in the septal nuclei of basal forebrain, known to be cholinergic neurons, show strong staining for Ngfr.
- Immunofluorescence  
Immunofluorescent detection in cultured rat dorsal root ganglion (DRG). (A) Detection of Ngfr using Ngfr monoclonal antibody, clone MC192 (Cat # MAB5595). (B) Detection of betaIII-Tubulin. (C) DAPI staining. (D) Merged A, B and C.
- Immunofluorescence  
Immunofluorescent detection in cultured rat dorsal root ganglion (DRG) using Ngfr monoclonal antibody, clone MC192 (Cat # MAB5595). Merged pictures of cultured rat DRG triple-stained for Ngfr (red colour), beta-Tubulin (green colour) and nuclei using DAPI (violet colour).
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — Ngfr

Entrez GeneID	<a href="#">24596</a>
Protein Accession#	<a href="#">P07174</a>
Gene Name	Ngfr
Gene Alias	LNGFR, RNNGFRR, p75, p75NTR
Gene Description	nerve growth factor receptor (TNFR superfamily, member 16)
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	O
Other Designations	low affinity nerve growth factor receptor nerve growth factor receptor, fast

## Publication Reference

- [Ex Vivo Assay of Electrical Stimulation to Rat Sciatic Nerves: Cell Behaviors and Growth Factor Expression.](#)

Du Z, Bondarenko O, Wang D, Rouabhia M, Zhang Z.  
Journal of Cellular Physiology 2016 Jun; 231(6):1301.

Application: IHC, Rat, Nerve
- [p75 and TrkA signaling regulates sympathetic neuronal firing patterns via differential modulation of voltage-gated currents.](#)

Luther JA, Birren SJ.  
Journal of Neuroscience 2009 Apr; 29(17):5411.
- [Primary sensory neuron addition in the adult rat trigeminal ganglion: evidence for neural crest glio-neuronal precursor maturation.](#)

Lagares A, Li HY, Zhou XF, Avendano C.  
Journal of Neuroscience 2007 Jul; 27(30):7939.

Application: IF, IHC, Rat, Rat trigeminal ganglion
- [Neural crest stem cells persist in the adult gut but undergo changes in self-renewal, neuronal subtype potential, and factor responsiveness.](#)

Kruger GM, Mosher JT, Bixby S, Joseph N, Iwashita T, Morrison SJ.  
Neuron 2002 Aug; 35(4):657.

Application: Flow Cyt, Rat, Neural crest stem cells