

NGFR Monoclonal Antibody (NGFR5)

Product Details

Size	500 µL
Species Reactivity	Cat, Ferret, Human, Non-human primate, Rabbit, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	NGFR5
Conjugate	Unconjugated
Immunogen	NGFR from A875 melanoma cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A/G
Storage buffer	PBS, pH 7.4, with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	4° C
RRID	AB_10982037

Applications	Tested Dilution	Publications
Western Blot (WB)	1:10-1:200	-
Immunohistochemistry (IHC)	-	12 Publications
Immunocytochemistry (ICC/IF)	1:10-1:200	4 Publications
Flow Cytometry (Flow)	2 µg/test	1 Publication
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

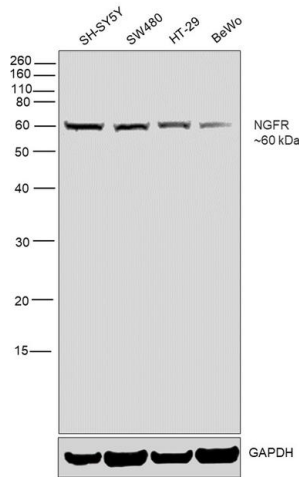
MA5-13314 targets Neurotrophin Receptor /NGF-Receptor (p75NGFR) in FACS, ICC/IF and WB applications and shows reactivity with Feline, Ferret, Human, Rat, Non-human primate, and Rabbit samples. This antibody does not react with rat tissue in Western blot applications.

The MA5-13314 immunogen is nGFR from A875 melanoma cells.

Product Images For NGFR Monoclonal Antibody (NGFR5)

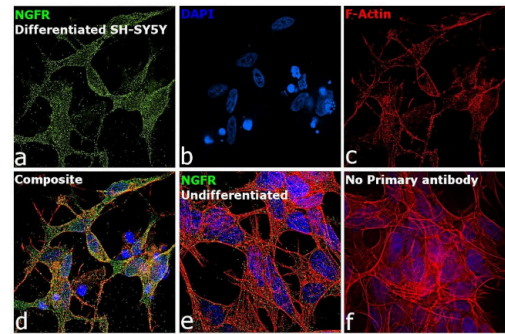
NGFR Antibody (MA5-13314) in WB

Western blot was performed using Anti-NGFR Monoclonal Antibody (NGFR5) (Product # MA5-13314) and a 60kDa band corresponding to NGFR was observed across all cell lines tested. Membrane enriched extracts (30 µg lysate) of SH-SY5Y (Lane 1), SW480 (Lane 2), HT-29 (Lane 3) and BeWo (Lane 4) were electrophoresed using NuPAGE™ 12% Bis-Tris Protein Gel (Product # NP0341BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:100 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



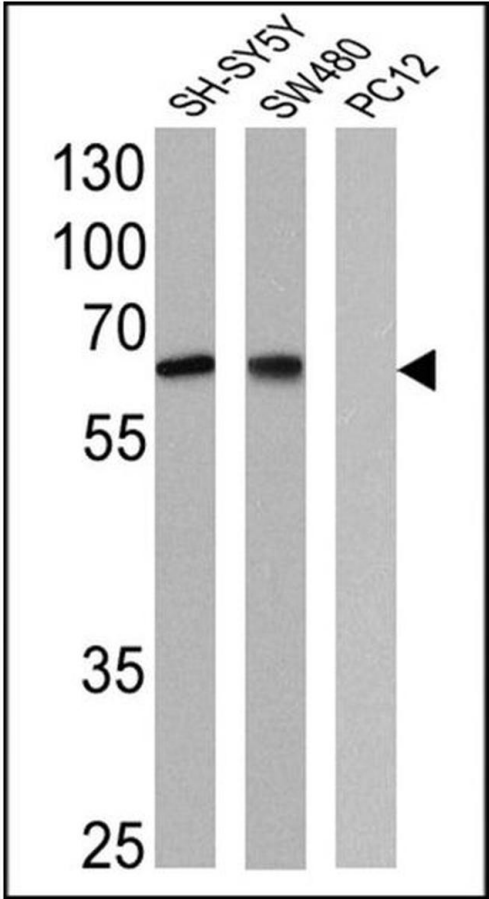
NGFR Antibody (MA5-13314)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-NGFR Monoclonal Antibody (NGFR5) (Product # MA5-13314), shows upregulation of NGFR expression upon neuronal differentiation of SH-SY5Y cell line using retinoic acid. {RE}



NGFR Antibody (MA5-13314) in WB

Western blot analysis of Neurotrophin Receptor /NGF-Receptor (p75NGFR) was performed by loading 25 µg of SH-SY5Y (lane 1), SW480 (lane 2) and PC12 (lane 3) cell lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a Neurotrophin Receptor /NGF-Receptor (p75NGFR) monoclonal antibody (Product # MA5-13314) at a dilution of 1:100 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~66-75 kDa in SH-SY5Y and SW480 cells.



19 References

Immunohistochemistry (12)

eLife

A genetic compensatory mechanism regulated by *Jun* and *Mef2d* modulates the expression of distinct class IIa *Hdacs* to ensure peripheral nerve myelination and repair.

"MA5-13314 was used in Immunohistochemistry to show that a transcription factor regulated genetic compensatory mechanism within this family of proteins, blocks negative regulators of myelination ensuring peripheral nerve developmental myelination and remyelination after injury."

Authors: Velasco-Aviles S,Patel N,Casillas-Bajo A,Frutos-Rincón L,Velasco E,Gallar J,Arthur-Farraj P,Gomez-Sanchez JA,Cabedo H

Year
2022

Species
Mouse

Dilution
1:100

Cell stem cell

Derivation of Airway Basal Stem Cells from Human Pluripotent Stem Cells.

"MA5-13314 was used in Immunohistochemistry to report the directed differentiation of human iPSCs into airway basal cells ("iBCs"), a population resembling the stem cell of the airway epithelium."

Authors: Hawkins FJ,Suzuki S,Beermann ML,Barillà C,Wang R,Villacorta-Martin C,Berical A,Jean JC,Le Suer J,Matte T, Simone-Roach C,Tang Y,Schlaeger TM,Crane AM,Matthias N,Huang SXL,Randell SH,Wu J,Spence JR,Carraro G, Stripp BR,Rab A,Sorsher EJ,Horani A,Brody SL,Davis BR,Kotton DN

Year
2021

Species
Human

View more IHC references on thermofisher.com

Immunocytochemistry (4)

Journal of immunology (Baltimore, Md. : 1950)

Exosomes Produced by Mesenchymal Stem Cells Drive Differentiation of Myeloid Cells into Immunosuppressive M2-Polarized Macrophages in Breast Cancer.

"Published figure using NGFR monoclonal antibody (Product # MA5-13314) in Immunocytochemistry"

Authors: Biswas S,Mandal G,Roy Chowdhury S,Purohit S,Payne KK,Anadon C,Gupta A,Swanson P,Yu X,Conejo-Garcia JR,Bhattacharyya A

Year
2019

PloS one

Reduced variability of neural progenitor cells and improved purity of neuronal cultures using magnetic activated cell sorting.

"Published figure using NGFR monoclonal antibody (Product # MA5-13314) in Immunocytochemistry"

Authors: Bowles KR,Tcw J,Qian L,Jadow BM,Goate AM

Year
2019

Species
Human

Dilution
1:100

View more ICC/IF references on thermofisher.com

More applications with references on thermofisher.com

- Flow (1)
- IP (1)
- Misc (1)

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