NGFR monoclonal antibody, clone ME20.4

Catalog # MAB5596 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native NGFR.
Immunogen	Native from human WM245 melanoma cells.
Host	Mouse
Reactivity	Cat, Dog, Human, Pig, Rabbit, Sheep
Specificity	This antibody recognizes p75NTR (low affinity neurotrophin receptor).
Form	Lyophilized
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	ELISA (1:5000) Flow Cytometry (20 ug/mL) Immunohistochemistry (2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 7.2-7.6 (0.1% trehalose, without preservative).
Storage Instruction	Store at 4°C on dry atmosphere. Reconstitute with the addition of 100 uL of sterile water. Centrifuge to remove any insoluble material. After reconstitution, keep aliquots and store at -20°C for a higher stability, and at 2-8°C with an appro priate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry
- Immunofluorescence

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- Flow Cytometry

Gene Info — NGFR

Entrez GeneID	4804
Protein Accession#	P08138
Gene Name	NGFR
Gene Alias	CD271, Gp80-LNGFR, TNFRSF16, p75(NTR), p75NTR
Gene Description	nerve growth factor receptor (TNFR superfamily, member 16)
Omim ID	162010
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	low affinity nerve growth factor receptor|low-affinity nerve growth factor receptor|nerve growth factor receptor

Publication Reference

- Inhibition within the nucleus tractus solitarius (NTS) ameliorates environmental exploration deficits due to cerebellum lesions in an animal model for autism.

  Walker BR, Diefenbach KS, Parikh TN.

  Behavioural Brain Research 2007 Jan; 176(1):109.

  Application: IHC, Rat, Brain

Pathway

- Cytokine-cytokine receptor interaction
- Neurotrophin signaling pathway

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Disease

- Alzheimer disease
- Asperger Syndrome
- Asthma
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Bronchiolitis
- Celiac Disease
- Depressive Disorder
- Disease Models
- Eating Disorders
- Genetic Diseases
- Genetic Predisposition to Disease
- Infant
- Kidney Failure
- Mental Disorders
- Multiple Sclerosis
- Respiratory Syncytial Virus Infections
- Social Perception

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