

NGFR

Mouse Monoclonal antibody(Mab)
Catalog # AD80033

Product Information

Application IHC-P
Primary Accession P08138
Reactivity Human
Host Mouse
Clonality Monoclonal
Clone Names 326E2H2
Calculated MW 45183

Additional Information

Gene ID 4804 Gene Name NGFR

Other Names 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

Dilution IHC-P~~Ready-to-use

Storage Maintain refrigerated at 2-8°C.

Precautions NGFR Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

Protein Information

Name NGFR

Synonyms TNFRSF16

Function

Low affinity receptor which can bind to NGF, BDNF, NTF3, and NTF4. Forms a heterodimeric receptor with SORCS2 that binds the precursor forms of NGF, BDNF and NTF3 with high affinity, and has much lower affinity for mature.

BDNF and NTF3 with high affinity, and has much lower affinity for mature NGF and BDNF (PubMed: 24908487). Plays an important role in differentiation and survival of specific neuronal populations during development (By

similarity). Can mediate cell survival as well as cell death of neural cells. Plays a role in the inactivation of RHOA (PubMed: 26646181). Plays a role in the regulation of the translocation of GLUT4 to the cell surface in adipocytes and skeletal muscle cells in response to insulin, probably by regulating RAB31 activity, and thereby contributes to the regulation of insulin- dependent glucose uptake (By similarity). Necessary for the circadian oscillation of the clock genes BMAL1, PER1, PER2 and NR1D1 in the suprachiasmatic nucleus (SCmgetaN) of the brain and in liver and of the genes involved in glucose and

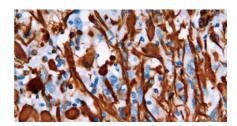
lipid metabolism in the liver (PubMed: 23785138). Together with BFAR

Cellular Location

negatively regulates NF-kappa-B and JNK-related signaling pathways (PubMed: <u>22566094</u>).

Cell membrane; Single-pass type I membrane protein. Cytoplasm. Perikaryon {ECO:0000250|UniProtKB:Q9Z0W1}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q9Z0W1}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q9Z0W1}

Images



脑胶质瘤

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.