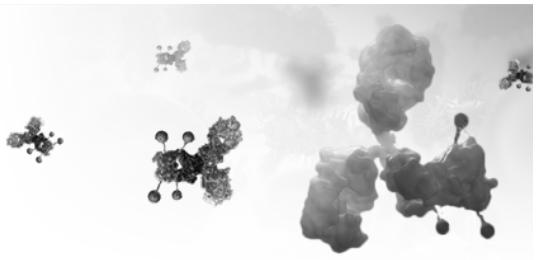

Mouse anti-Human Neurotensin Receptor 3 monoclonal antibody, clone 59 (CABT-B9243)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Human Neurotensin Receptor 3 aa. 300-422
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat, Dog, Chicken
Clone	59
Purification	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Conjugate	Unconjugated
Applications	WB; IF
Format	Liquid
Concentration	250 μg/ml
Size	50 μg, 150 μg
Buffer	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
Storage	Store undiluted at -20°C.

BACKGROUND

Introduction	Neurotensin (NT) is a neuropeptide that modulates dopaminergic transmission, triggers

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	analgesic responses, induces hypotension, decreases gastric acid secretion, and activates lipid digestion. NT is a ligand for NT receptors, which include both G-protein coupled and non-G-protein coupled receptors. Neurotensin Receptor 3 (NTR3) is a non-G-protein coupled receptor that has a lumenal domain homologous to sorting proteins, and a short cytoplasmic tail homologous to mannose-6-phosphate/IGF-II receptor. NTR3 was also identified as sortilin/gp95, a component of GLUT4 vesicles in adipocytes that has been implicated in lipoprotein lipase degradation. NTR3 mRNA is expressed in brain, skeletal muscle, heart, and adipocytes. NTR3 mature protein has 44 N-terminal amino acid residues cleaved off, which may facilitate ligand binding to the receptor. Cellular localization of NTR3 is in the Golgi compartment and vesicles, as well as on the cell surface. In addition to roles in neuropeptide and lipoprotein degradation, NTR3 may also be involved in receptor protein sorting. Thus, NTR3 is a multifunctional transmembrane protein that acts as both a intracellular sorting receptor and extracellular ligand-binding receptor.
Keywords	SORT1; sortilin 1; NT3; Gp95; LDLCQ6; sortilin; NTR3; glycoprotein 95; 100 kDa NT receptor; neurotensin receptor 3;

GENE INFORMATION

Entrez Gene ID	6272
UniProt ID	Q99523

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