

**Mouse Anti-NTR3/Sortilin [G11]: MC0188**

**Intended Use:** For Research Use Only

**Description:** Neurotensin (NT) initiates an intracellular response by interacting with the G protein-coupled receptors NTR1 (NTS1 receptor, high affinity NTR) and NTR2 (NTS2 receptor, levocabastine-sensitive neurotensin receptor), and the type I receptor NTR3 (NTS3 receptor, sortilin-1, Gp95). NT has a wide distribution in regions of the brain and in peripheral tissues where NT receptors can contribute to hypotension, hyperglycemia, hypothermia, antinociception and regulation of intestinal motility and secretion. HL-60 cells express NTR1, which can couple to Gq, Gi/o, or Gs. Alternative splicing of rat NTR2 can generate a 5-transmembrane domain variant isoform that is co-expressed with the fulllength NTR2 throughout the brain and spinal cord. NTR3 activation in the murine microglial cell line N11 induces MIP-2,

**Specifications**

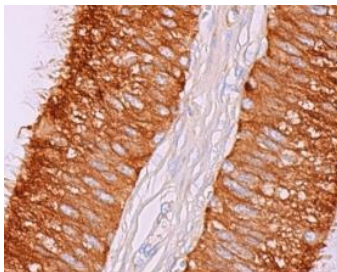
Clone: G11  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human, mouse, rat  
 Localization: Membrane, cytoplasm  
 Formulation: Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: ELISA, IHC, IF, IP, WB  
 Package:

Description	Catalog No.	Size
NTR3/Sortilin Concentrated	MC0188	1 ml

**IHC Procedure\***

Positive Control Tissue: Brain  
 Concentrated Dilution: 50-200  
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human epididymis tissue stained with anti- NTR3/Sortilin using DAB

**References:**

1. Decorin blocks scarring and cystic cavitation in acute and induces scar dissolution in chronic spinal cord wounds. Ahmed Z, et al. Neurobiol Dis 64:163-76, 2014.
2. Sortilin expression is essential for pro-nerve growth factor-induced apoptosis of rat vascular smooth muscle cells. Campagnolo L, et al. PLoS One 9:e84969, 2014.
3. Parkinson's disease-linked mutations in VPS35 induce dopaminergic neurodegeneration. Tsika E, et al. Hum Mol Genet N/A:N/A, 2014.
4. Fish oil and fenofibrate prevented phosphorylation-dependent hepatic sortilin 1 degradation in Western diet-fed mice. Li J, et al. J Biol Chem 289:22437-49, 2014.