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Datasheet for ABIN6990739

anti-Neurotrypsin antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	Neurotrypsin (PRSS12)
Binding Specificity:	AA 110-160, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurotrypsin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Neurotrypsin antibody was raised against a 23 amino acid synthetic peptide from near the amino terminus of human neurotrypsin. The immunogen is located within amino acids 110 - 160 of Neurotrypsin.
Isotype:	IgG
Purification:	Neurotrypsin Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Neurotrypsin (PRSS12)
Alternative Name:	Neurotrypsin (PRSS12 Products)
Background:	Neurotrypsin Antibody: Neurotrypsin is a central nervous system-expressed serine protease

Target Details

whose truncation or absence causes nonsyndromic mental retardation. It is most prominently expressed in structures that are involved in the processing and storage of learned behavior and memory, such as the cerebral cortex, the hippocampus, and amygdala. Evidence suggests that neurotrypsin has multiple functions, including axonal outgrowth, maintaining neuronal plasticity, and arranging the perineuronal environment, partly in coordination with other proteases including tissue plasminogen activator. At least two isoforms of neurotrypsin are known to exist.

Molecular Weight: Predicted: 96 kDa

Observed: 96 kDa

Gene ID: 8492

UniProt: [P56730](#)

Application Details

Application Notes: Neurotrypsin antibody can be used for detection of neurotrypsin by Western blot at 0.5 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Neurotrypsin Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: Neurotrypsin antibody can be stored at 4°C for three months and -20°C, stable for up to one

year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.