

Anti-Neurotrypsin PRSS12 Antibody

Catalog Number: A10045

About PRSS12

Neurotrypsin is a central nervous system-expressed serine protease 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.

Overview

Product Name	Anti-Neurotrypsin PRSS12 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Neurotrypsin PRSS12 Antibody (Catalog # A10045). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Neurotrypsin Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Neurotrypsin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P56730

Technical Details

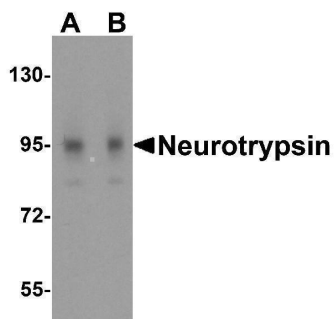
Immunogen	Neurotrypsin antibody was raised against a 23 amino acid synthetic peptide from near the amino terminus of human neurotrypsin. The immunogen is located within amino acids 110 - 160 of Neurotrypsin.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Neurotrypsin Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

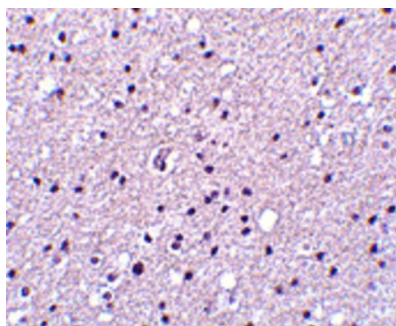
Neurotrypsin antibody can be used for detection of neurotrypsin by Western blot at 0.5 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

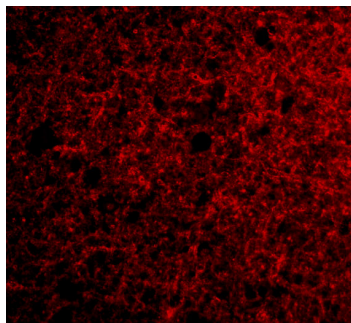
Anti-Neurotrypsin PRSS12 Antibody (A10045) Images



Western blot analysis of neurotrypsin in 3T3 cell lysate with neurotrypsin antibody at (A) 0.25 and (B) 0.5 ug/mL.



Immunohistochemistry of Neurotrypsin in human brain tissue with Neurotrypsin antibody at 2.5 ug/mL.



Immunofluorescence of Neurotrypsin in Human Brain cells with Neurotrypsin antibody at 20 ug/mL.

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Anti-Neurotrypsin PRSS12 Antibody

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