SunLong Biotech Co.,LTD
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Rabbit Anti-Neuronal thread protein AD7c-NTP antibody

SL0046R

Product Name	Neuronal thread protein AD7c-NTP
Chinese Name	神经丝蛋白抗体
Alias	neuronal thread protein AD7c-NTP; AD7c-NTP.
Research Area	Neurobiology Signal transduction Apoptosis
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Mouse, Rat,
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	41kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Neuronal thread protein AD7c-NTP: 301-375/375
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

Product Detail

This gene is unusual in that its coding sequence is derived almost entirely from a cluster of different Alu repeat sequences. However, the mRNA and the encoded protein have been shown to be expressed in neurons, and overexpressed in brains with Alzheimer's disease. In vitro studies also demonstrated that abnormal expression of this gene promoted neuritic sprouting and cell death, associated with dementia in Alzheimer's disease.

SWISS:
N/A

Gene ID:
N/A

Database links:

GenBank:AAC08737

AD7C-NTP 是存在于神经元中的一种 41Kda 的蛋白质，在 AD 患者脑内选择性升高，和其病理过程相关，AD7C-NTP 基因也只在神经元表达，AD 患者脑脊液中 AD7C-NTP 表达升高， AD7C-NTP 作为 AD 早期诊断和确诊的生物化学标志正引起越来越多的关注.

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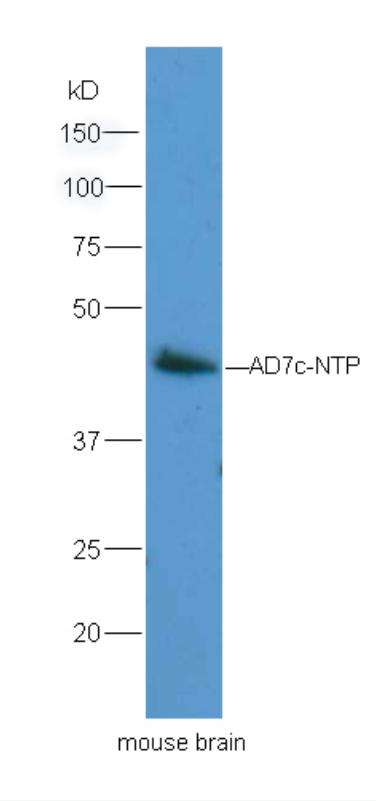
Product Picture



Sample: Brain (Mouse) Lysate at 40 ug

Primary: Anti- AD7c-NTP(SL0046R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL0295G-HRP) at 1/5000 dilution

Predicted band size: 41 kD

Observed band size: 41 kD

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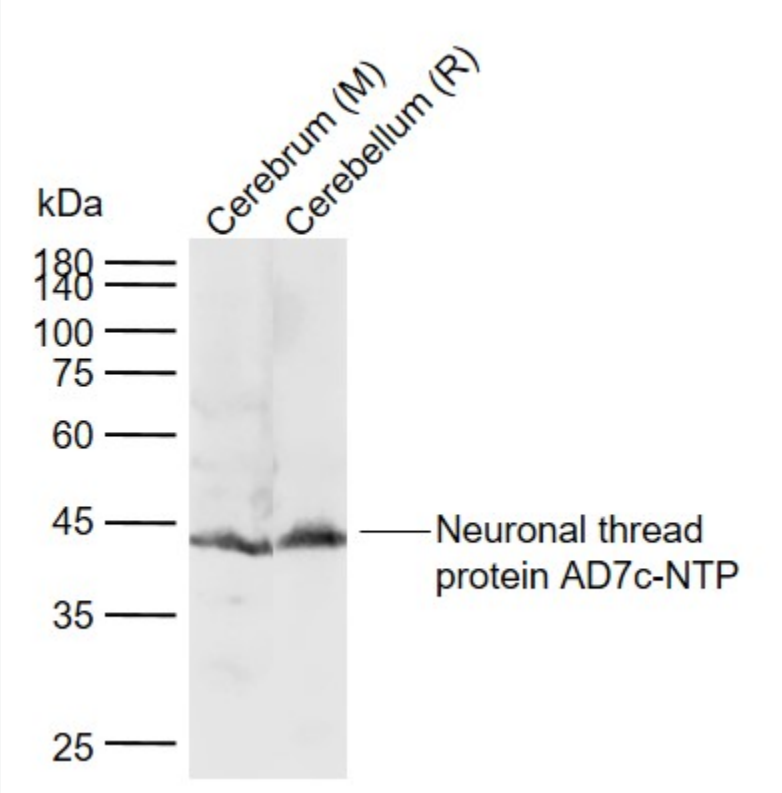

Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Rat Cerebellum tissue lysates

Primary: Anti-Neuronal thread protein AD7c-NTP (SL0046R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 41 kDa

Observed band size: 43 kDa

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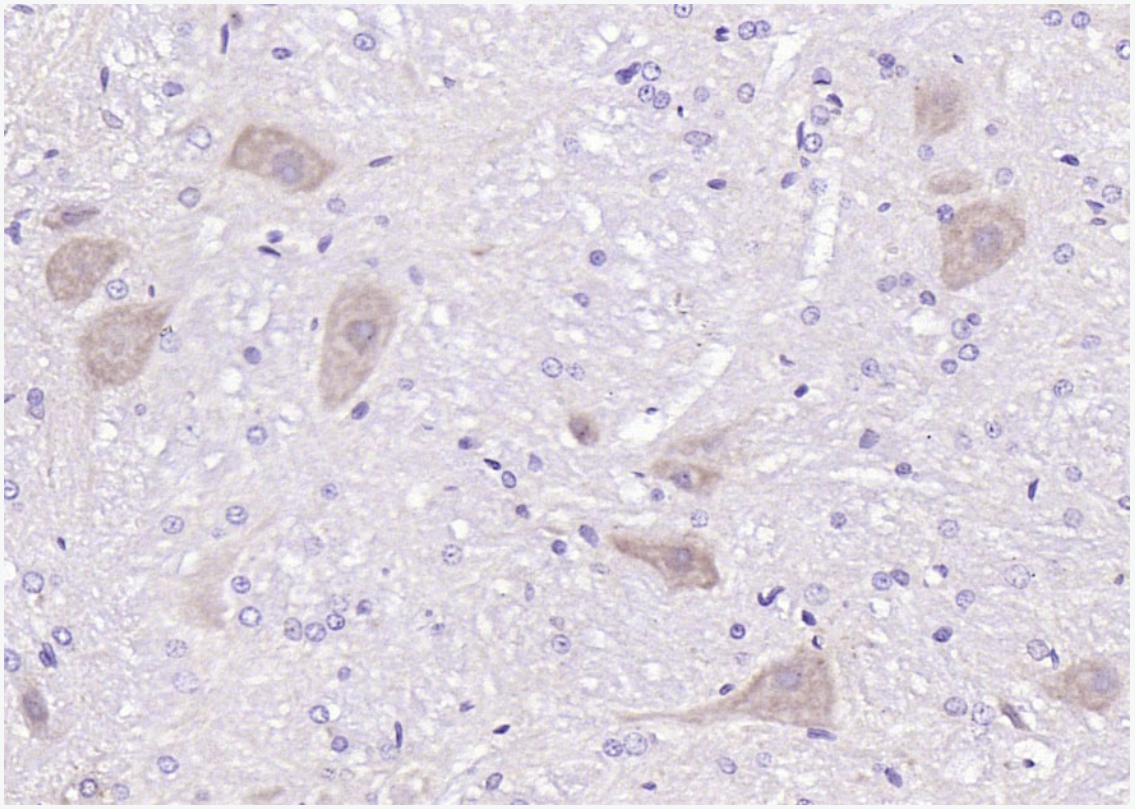

Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Neuronal thread protein AD7c-NTP) Polyclonal Antibody, Unconjugated (SL0046R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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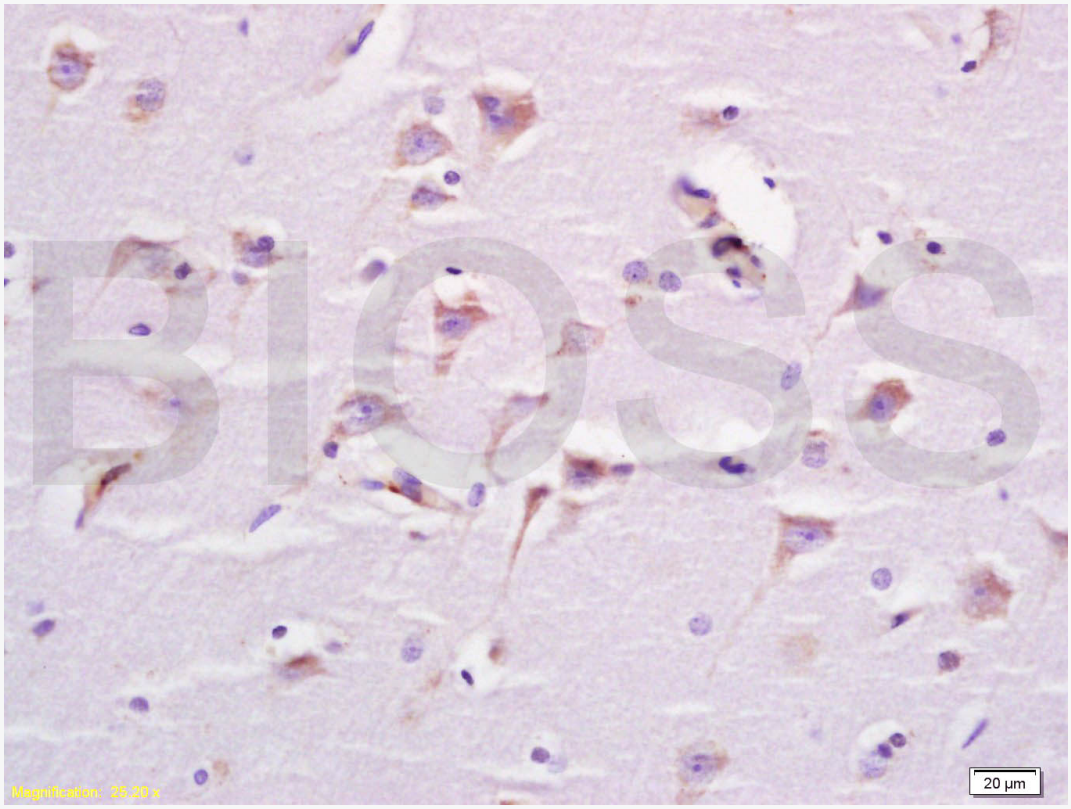

Tissue/cell: human brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-AD7c-NTP Polyclonal Antibody, Unconjugated(SL0046R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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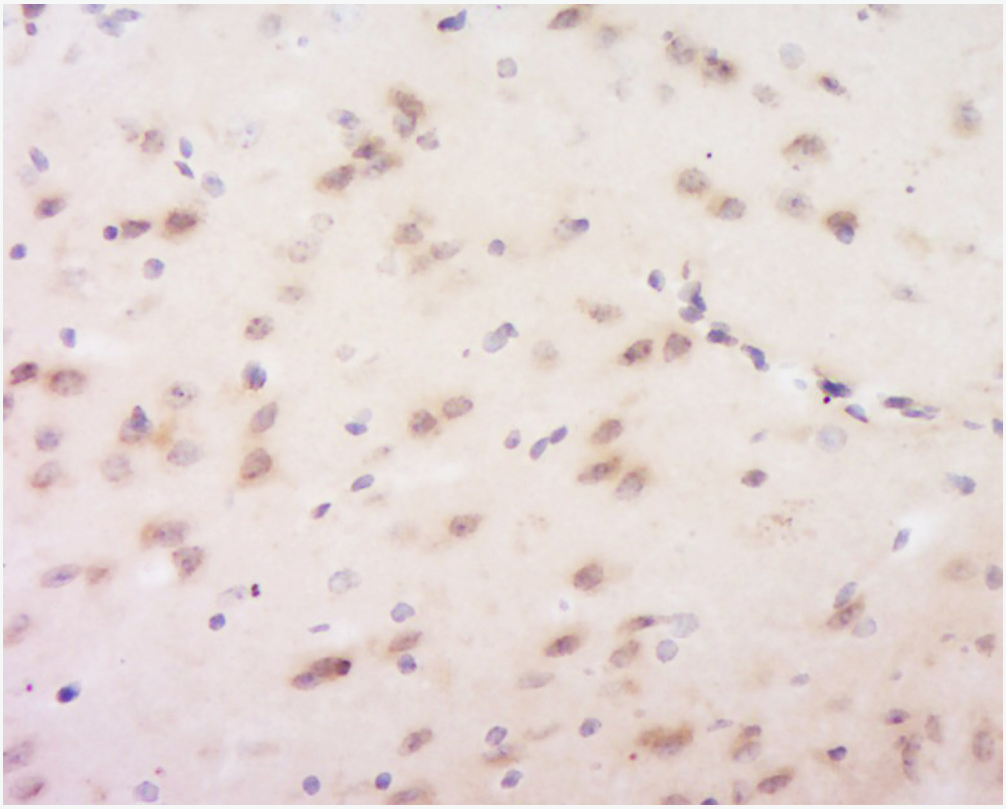

Tissue/cell: Mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

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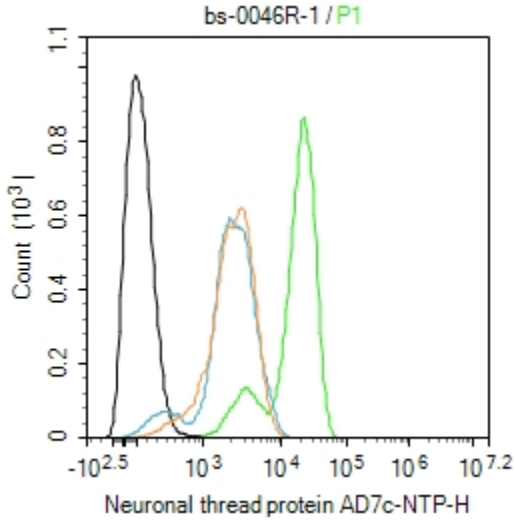

Blank control: SHSY5Y.

Primary Antibody (green line): Rabbit Anti-Neuronal thread protein AD7c-NTP antibody (SL0046R)

Dilution: 1ug/Test;

Secondary Antibody : Goat anti-rabbit IgG-FITC

Dilution: 0.5ug/Test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20℃.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.