

## Anti-Neuronal thread protein AD7c-NTP Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 41 kDa. Actual: 43 kDa.
Purification:	Protein A purified

### Applications

- 1. Tissue/cell:** Mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-AD7c-NTP Polyclonal Antibody, Unconjugated (TMAB-09399) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
- 2. Tissue/cell:** human brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-AD7c-NTP Polyclonal Antibody, Unconjugated (TMAB-09399) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining
- 3. Sample:** Brain (Mouse) Lysate at 40 µg  
Primary: Anti-AD7c-NTP(TMAB-09399) at 1/300 dilution  
Secondary: HRP conjugated Goat-Anti-rabbit IgG at 1/5000 dilution  
Predicted band size: 41 kD  
Observed band size: 41 kD
- 4. Blank control:** SHSY5Y.  
Primary Antibody (green line): Rabbit Anti-Neuronal thread protein AD7c-NTP antibody (TMAB-09399)  
Dilution: 1 µg/Test;  
Secondary Antibody: Goat anti-rabbit IgG-FITC  
Dilution: 0.5 µg/Test.  
Protocol  
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. 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.
- 5. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum);** Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Neuronal thread protein AD7c-NTP) Polyclonal Antibody, Unconjugated (TMAB-09399) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
- 6. Sample:**  
Lane 1: Mouse Cerebrum tissue lysates  
Lane 2: Rat Cerebellum tissue lysates

Verified Activity:

## A DRUG SCREENING EXPERT

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Primary: Anti-Neuronal thread protein AD7c-NTP (TMAB-09399) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 41 kDa  
Observed band size: 43 kDa

Application: WB,IHC-P,IHC-Fr,IF,FCM

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

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### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Neuronal thread protein AD7c-NTP

Antigen Species: Human

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### Research Background

AD7c-NTP is detected in increased concentration in the cortical neurons, brain-tissue extracts, cerebrospinal fluid, and urine early in the course of AD neurodegeneration, and its level is positively correlated with the severity of dementia. All these characteristics make it a possible biomarker for AD.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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