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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Tau Antibody

Rabbit Anti-Human Truncated Tau Fragment (AA297-391) (dGAE) Polyclonal
Catalog No. SPC-806

StressMarq Biosciences INC.
Discovery through Partnership | Excellence through Quality

Product Name

Tau Antibody

Description

Rabbit Anti-Human Truncated Tau Fragment (AA297-391) (dGAE) Polyclonal

Species Reactivity

Human, Mouse, Rat

Applications

WB

Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen Species

Human

Immunogen

Recombinant Human Tau AA297-391 (dGAE) Fibril (SPR-461)

Concentration

1mg/mL

Conjugates

APC, ATTO 390, ATTO 488, ATTO 594, Biotin, FITC, HRP, PerCP, RPE, Unconjugated

Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

Properties

Storage Buffer

PBS pH 7.4, 50% glycerol, 0.09% sodium azide *Storage buffer may change when conjugated

Storage Temperature

-20ºC, Conjugated antibodies should be stored according to the product label

Shipping Temperature

Blue Ice or 4ºC

Purification

Protein A

Clonality

Polyclonal

Specificity

Detects ~10.2 kDa.

Cite This Product

Rabbit Anti-Human Truncated Tau Fragment (AA297-391) (dGAE) Polyclonal (StressMarq Biosciences, Victoria BC, Cat# SPC-806)

Certificate Of Analysis

A 1:1000 dilution of SPC-806 was sufficient for detection of tau in 15 µg of mouse, rat brain cell lysates by ECL immunoblot analysis using goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Tau Antibody, Neurofibrillary tangle protein Antibody, MAPTL Antibody, Microtubule-associated protein tau Antibody, MTBT1 Antibody, Paired helical filament-tau Antibody, TAU Antibody, PHF-tau Antibody, MAPT Antibody, AI413597 antibody, AW045860 antibody, DDPAC antibody, FLJ31424 antibody, FTDP 17 antibody, G protein beta1/gamma2 subunit interacting factor 1 antibody, MAPT antibody, MAPTL antibody, MGC134287 antibody, MGC138549 antibody, MGC156663 antibody, Microtubule associated protein tau antibody, Microtubule associated protein tau isoform 4 antibody, Microtubule-associated protein tau antibody, MSTD antibody, Mtapt antibody, MTBT1 antibody, MTBT2 antibody, Neurofibrillary tangle protein antibody, Paired helical filament tau antibody, Paired helical filament-tau antibody, PHF tau antibody, PPND antibody, PPP1R103 antibody, Protein phosphatase 1, regulatory subunit 103 antibody, RNPTAU antibody, TAU antibody, TAU_HUMAN antibody, Tauopathy and respiratory failure, included antibody, dGAE tau fibril

antibody, Truncated Tau Fragment (AA297-391) antibody, 95-amino acid tau protein fragment antibody, Truncated Tau Protein antibody

Research Areas

Alzheimer's Disease, Axon Markers, Cell Markers, Cell Signaling, Cytoskeleton, Microtubules, MT Associated Proteins, Neurodegeneration, Neuron Markers, Neuroscience, Tangles & Tau

Cellular Localization

Cytoplasm, Axolemma, Axolemma Plasma Membrane, Axon, Cell Body, Cell membrane, Cytoplasmic Ribonucleoprotein Granule, Cytoplasmic Side, Cytoskeleton, Cytosol, Dendrite, Growth cone, Microtubule, Micr

Accession Number

NP_005901.2

Gene ID

4137

Swiss Prot

P10636

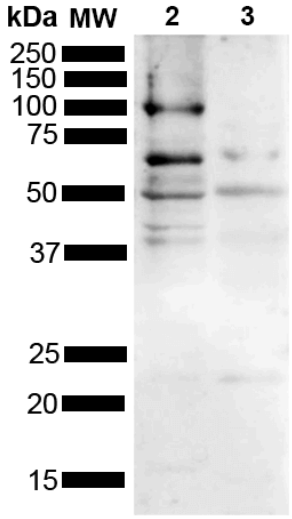
Scientific Background

Alzheimer’s Disease (AD) is the most common neurodegenerative disease, affecting 10% of seniors over the age of 65 (1). It was named after Alois Alzheimer, a German scientist who discovered tangled bundles of fibrils where neurons had once been in the brain of a deceased patient in 1907 (2). Tau (tubulin-associated unit) is normally located in the axons of neurons where it stabilizes microtubules. Tauopathies such as AD are characterized by neurofibrillary tangles containing paired helical filaments (PHFs). A truncated 95-amino acid fragment corresponding to residues 297-391 of full-length tau has been shown to assemble into PHF-like fibrils in vitro in the absence of additives or templates (3). This fragment has been found in the core of PHFs from AD brains and forms filaments that closely resemble PHFs isolated from AD brains (3).

References

1. www.alz.org/alzheimers-dementia/facts-figures
2. Alzheimer, A. Über eine eigenartige Erkrankung der Hirnrinde. Allg. Z. Psychiatr. Psych.-Gerichtl. Med. 64, 146–148 (1907)
3. Al-Hilaly, Y.K. et al. Alzheimer's Disease-like Paired Helical Filament Assembly from Truncated Tau Protein Is Independent of Disulfide Crosslinking. J. Mol. Biol. 429(23):3650-3665 (2017)

Product Images



Western blot analysis of Mouse, Rat Brain showing detection of Multiple bands due to different isoforms/aggregation states Tau protein using Rabbit Anti-Tau Polyclonal Antibody (SPC-806). Lane 1: MW Ladder. Lane 2: Mouse brain (15 ug). Lane 2: Rat brain (15 ug). Load: 15 ug. Block: 5% Skim Milk powder in TBST. Primary Antibody: Rabbit Anti-Tau Polyclonal Antibody (SPC-806) at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-rabbit IgG:HRP at 1:4000 for 1 hour at RT with shaking . Color Development: Chemiluminescent for HRP (Moss) for 5 min in RT. Predicted/Observed Size: Multiple bands due to different isoforms/aggregation states. Other Band(s): 50 kDa, 65 kDa, 100 kDa.

Dot blot analysis using Rabbit Anti-Tau Polyclonal Antibody (SPC-806). Tissue: Recombinant Tau Monomers and Fibrils. Species: Human. Primary Antibody: Rabbit Anti-Tau Polyclonal Antibody (SPC-806) at 1:1000 for 2 hours at RT with shaking. Secondary Antibody: Goat anti-rabbit IgG:HRP at 1:4000 for 1 hour at RT with shaking.

Product Citations

Reviews

There are no reviews yet.