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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-Amyloid Oligomers (A11) Antibody

Rabbit Anti-Human Amyloid Oligomers (A11) Polyclonal
Catalog No. SPC-506

StressMarq Biosciences INC.
Discovery through partnership | Excellence through quality

Overview

Product Name

Amyloid Oligomers (A11) Antibody

Description

Rabbit Anti-Human Amyloid Oligomers (A11) Polyclonal

Species Reactivity

Human, Mouse, Rat, Eukaryotes

Applications

WB, IHC, ICC/IF, IP, ELISA

Antibody Dilution

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

Host Species

Rabbit

Immunogen Species

Human

Immunogen

Synthetic molecular mimic of soluble oligomers

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20ºC

Shipping Temperature

Blue Ice or 4ºC

Purification

Protein A purified

Clonality

Polyclonal

Specificity

Recognizes all types of amyloid oligomers. Appears to recognize a peptide backbone epitope that is common to amyloid oligomers, but is not found in native proteins, amyloidogenic monomer or mature a

Cite This Product

Rabbit Anti-Human Amyloid Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-506)

Certificate Of Analysis

A 1:1000 dilution of SPC-506 was sufficient for detection of amyloid oligomers in 10 µg of mouse brain lysates by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Amyloid Oligomer alpha beta Antibody, A11 Antibody, Amyloid Oligomer AlphaBeta Antibody, APP Antibody

Research Areas

Blood, Cardiovascular System, Cell Signaling, Neuroscience

Cellular Localization

Membrane

Accession Number

NM_000484.2

Gene ID

9606

Swiss Prot

P05067

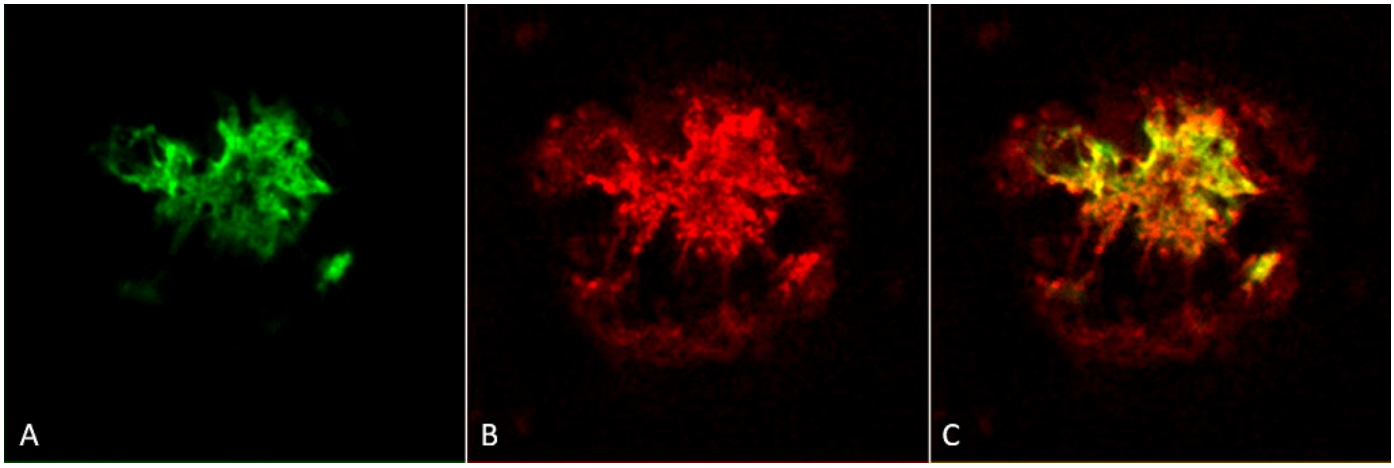
Scientific Background

Amyloid monomeric proteins can sometimes oligomerize into destructive amyloid fibrils. Amyloidogenic conformations of non-disease related proteins can be created by partial protein misfolding or denaturation. Many degenerative diseases are known to be related to the accumulation of misfolded proteins as amyloid fibres (1, 2). These include the amyloid-β peptide plaques and tau neurofibrillary tangles in senile plaques of Alzheimer's symptomology, the deposition of α-synuclein in the Lewy bodies of Parkinson's disease, and accumulation of polyglutamine-containing aggregates in Huntington's disease (2, 3).

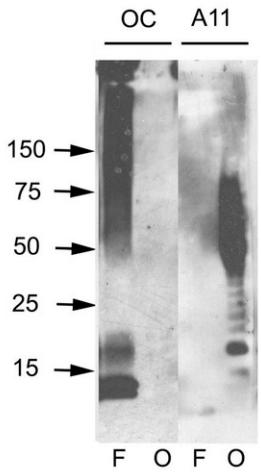
References

1. Glabe C.G. (2004) Trends Biochem Sci. 29(10): 542-547.
2. Kayed R., et al. (2004) J Bio. Chem. 279: 46363-46366.
3. Kayed R., et al. (2003) Science. 300(5618): 486-489.

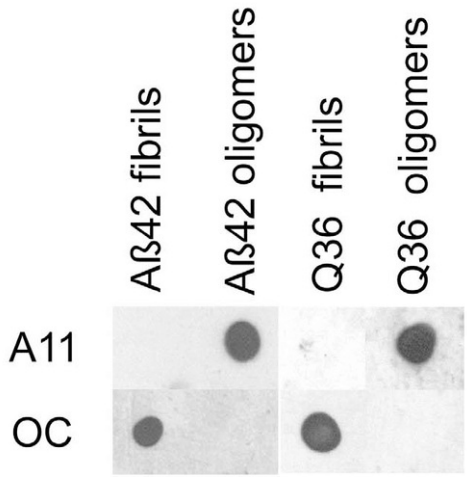
Product Images



Immunohistochemistry analysis using Rabbit Anti-Amyloid Oligomers (A11) Polyclonal Antibody (SPC-506). Tissue: Alzheimer's Disease brain. Species: Human. Fixation: Formalin fixed. Primary Antibody: Rabbit Anti-Amyloid Oligomers (A11) Polyclonal Antibody (SPC-506) at 1:1000. Secondary Antibody: Goat Anti-Rabbit ATTO 594 (red). Localization: Plaque. (A) Amyloid Fibril (OC) Antibody (SPC-507). (B) Amyloid Oligomer (A11) Antibody (SPC-506). (C) Composite. Courtesy of: Dr. Elizabeth Head, University of California, Irvine.



Western blot analysis of Human Abeta42 fibrils and prefibrillar oligomers showing detection of Amyloid Oligomers (A11) protein using Rabbit Anti-Amyloid Oligomers (A11) Polyclonal Antibody (SPC-506). Primary Antibody: Rabbit Anti-Amyloid Oligomers (A11) Polyclonal Antibody (SPC-506) at 1:1000. Courtesy of: Kayed, R., Head, E., Thompson, J. L., McIntire, T. M., Milton, S. C., Cotman, C. W., et al. (2003). Common structure of soluble amyloid oligomers implies common mechanism of pathogenesis. Science 300, 486489. doi: 10.1126/science.1079469.



Dot blot analysis using Rabbit Anti-Amyloid Oligomers (A11) Polyclonal Antibody (SPC-506). Tissue: Abeta42 fibrils and prefibrillar oligomers. Species: Human. Primary Antibody: Rabbit Anti-Amyloid Oligomers (A11) Polyclonal Antibody (SPC-506) at 1:1000. Courtesy of: Kayed, R., Head, E., Thompson, J. L., McIntire, T. M., Milton, S. C., Cotman, C. W., et al. (2003). Common structure of soluble amyloid oligomers implies common mechanism of pathogenesis. Science 300, 486489. doi: 10.1126/science.1079469.

Product Citations (1)

Immunohistochemistry

Acute amnestic encephalopathy in amyloid-ß oligomers injected mice is due to their widespread diffusion in vivo.

Epelbaum, S. et al. -2015 Neurobiol Aging. 36(6):2043-52.

PubMed ID: 25862419 **Reactivity:** Human **Applications:** Immunohistochemistry

Reviews

Based on validation through cited publications.

★★★★★

StressMarq Biosciences
June 15, 2016: