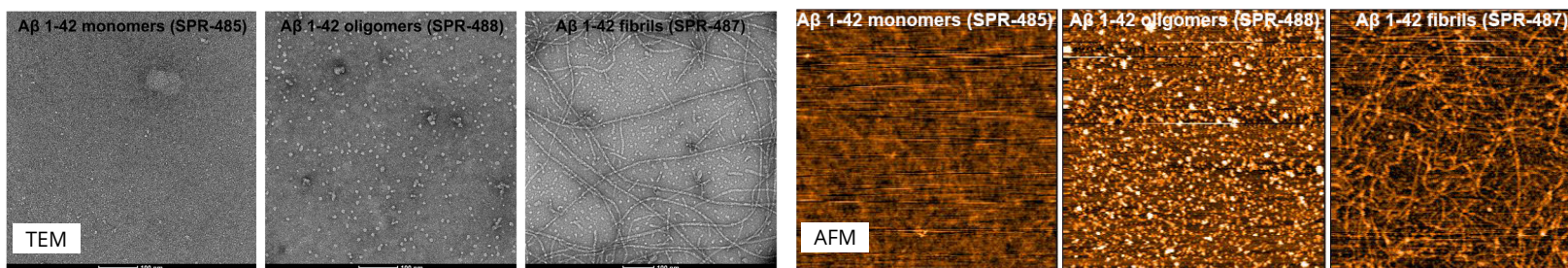
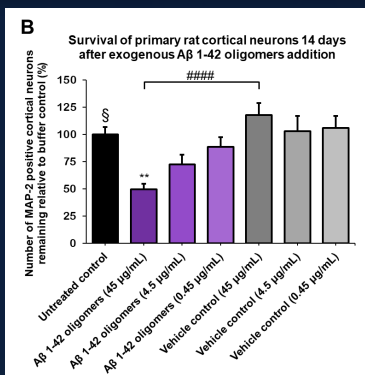
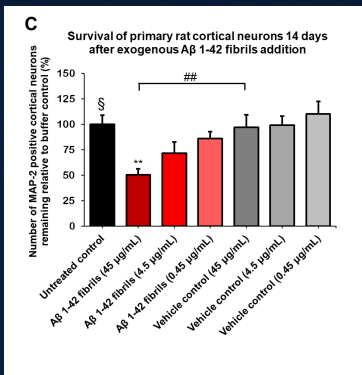
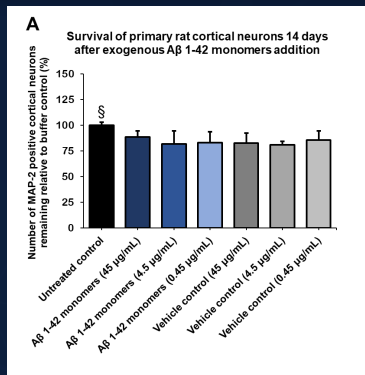


**NEW!**

# Amyloid Beta

**Oligomers | Pre-formed Fibrils (PFF) | Monomers | Antibodies***for Neurodegenerative Disease Research**Induce Amyloid Beta Toxicity with StressMarq's Oligomers and Pre-formed Fibrils*

StressMarq's Amyloid Beta 1-42 Oligomers (cat#SPR-488) and Pre-formed Fibrils (cat#SPR-487) show a **dose-dependent toxicity** to primary rat cortical neurons. Monomers are not toxic (cat#SPR-485).

**Oligomers****Pre-formed Fibrils****Monomers**

Fibrils and respective vehicle controls were initially sonicated in a Bioruptor. Test conditions were run in the same plate as untreated control and vehicle controls, which consisted of buffer without amyloid beta 1-42 protein. Data expressed as mean  $\pm$  s.e.m. (n=6). A global analysis of the data was performed using a one-way ANOVA followed by Dunnett's test; \*\* p<0.01 stats vs control; ## p<0.01, ##### p<0.0001 stats vs vehicle control. \$ represents untreated control condition.

Catalog#	Product Name	Available Sizes*
SPR-488	Amyloid Beta 1-42 Oligomers	100ug   200ug   500ug
SPR-487	Amyloid Beta 1-42 Pre-formed Fibrils	100ug   200ug   500ug
SPR-485	Amyloid Beta Peptide 1-42 (HFIP treated)	100ug   500ug   1mg

\*Please inquire for bulk quantities.

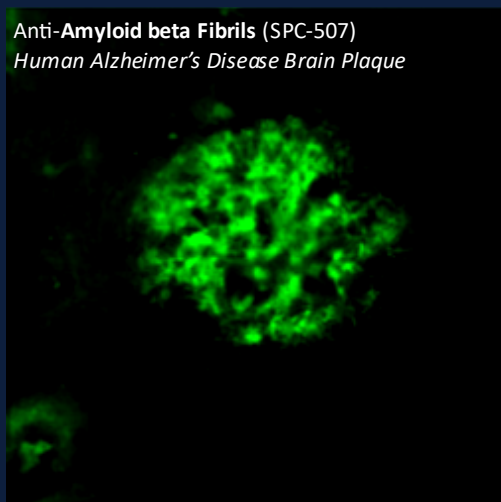


For more information, visit [StressMarq.com](http://StressMarq.com) or email us: [info@stressmarq.com](mailto:info@stressmarq.com)

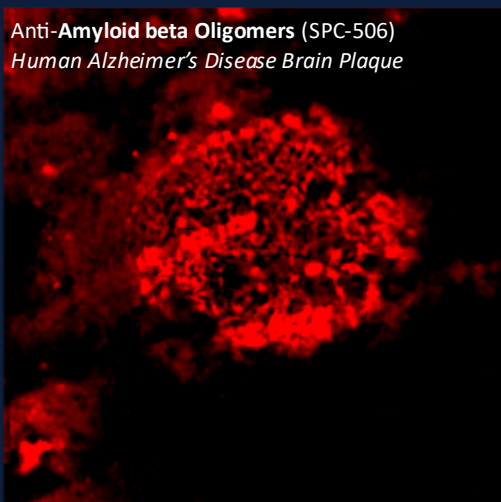
# Amyloid Beta

**Oligomers | Pre-formed Fibrils (PFF) | Monomers | Antibodies**

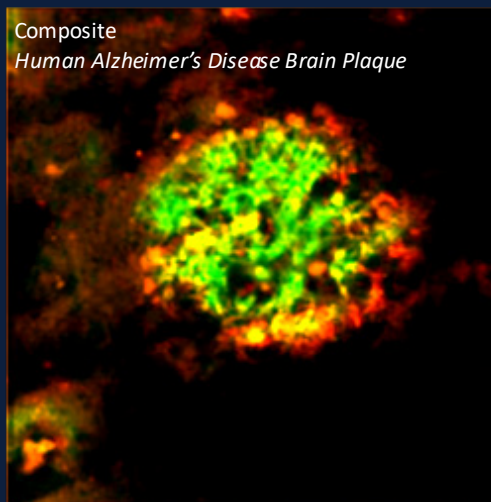
Anti-Amyloid beta Fibrils (SPC-507)  
Human Alzheimer's Disease Brain Plaque



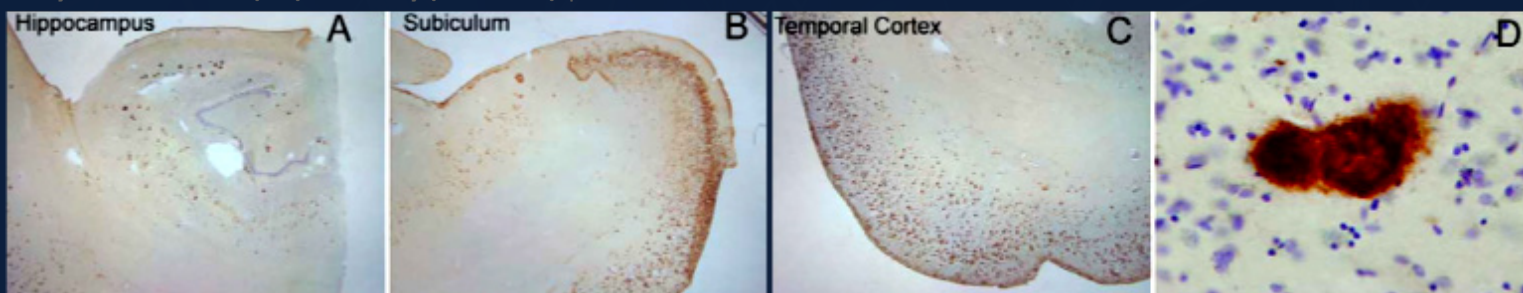
Anti-Amyloid beta Oligomers (SPC-506)  
Human Alzheimer's Disease Brain Plaque



Composite  
Human Alzheimer's Disease Brain Plaque



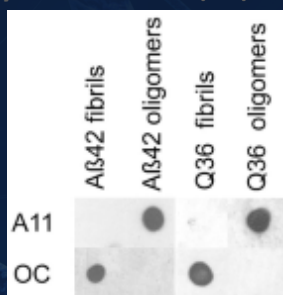
Amyloid beta Fibril (OC) Antibody (SPC-507D) | Human Alzheimer's Disease Brain Tissue



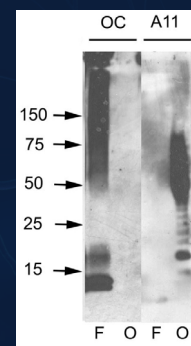
Extensive amyloid fibril (OC) labeling is observed in the hippocampus (A), subiculum (B) and frontal cortex (C) in Alzheimer's disease by Anti-Amyloid beta fibril antibody (SPC-507D). A higher magnification image illustrates that amyloid fibril positive deposits are dense and consist of fine fibrillar material (D).

## Amyloid beta Oligomer (A11) and Amyloid beta Fibril (OC) Antibodies

Dot blot analysis of A $\beta$ 42 and polyQ36 prefibrillar oligomers and fibrils. A $\beta$ 42 and polyQ fibrils are only detectable with Amyloid beta fibril antibody (SPC-507D), while A $\beta$ 42 and polyQ prefibrillar oligomers only react with Amyloid beta oligomer antibody (SPC-506D).



Western blot analysis of A $\beta$ 42 fibrils and prefibrillar oligomers. A $\beta$ 42 fibrils (F) and prefibrillar oligomers (O) were run on SDS polyacrylamide gels, transferred to nitrocellulose and probed with Anti-Amyloid beta fibril (SPC-507D) and Anti-Amyloid beta oligomer (SPC-506D) antibodies.



Catalog#	Product Name	Clonality	Host	Applications	Species Reactivity
SPC-406	Amyloid Oligomers (A11) Antibody	PAb	Rabbit	WB, IHC, ICC/IF, IP, ELISA, DB	Hu, Ms, Rt, Eu
SPC-407	Amyloid Fibrils (OC) Antibody	PAb	Rabbit	WB, IHC, ICC/IF, IP, ELISA, DB	Hu