

Amyloid Oligomer $\alpha\beta$ Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 57006 (A11)

Size: 100ul purified rabbit immunoglobulin (0.5mg/ml) in phosphate-buffered saline, pH 7.0, 0.09% sodium azide and 50% glycerol.

BACKGROUND

Amyloid monomeric proteins can 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 fibers. 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.

SPECIFICATION SUMMARY

Antigen: Synthetic molecular mimic of soluble oligomers.

Host Species: Rabbit

Antibody Class: Polyclonal

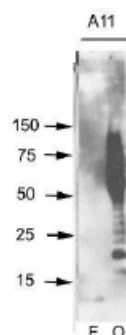
SPECIFICITY

This antibody recognizes a peptide backbone epitope that is common to all types of amyloid oligomers but is not found in native proteins, amyloidogenic monomers, or mature amyloid fibrils.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

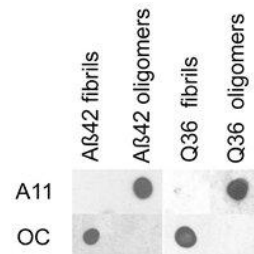
APPLICATIONS

Immunoblotting: use at 0.5-1ug/ml



A β 42 fibrils (F) and prefibrillar oligomers (O) were run on SDS polyacrylamide gels, transferred to nitrocellulose and probed with #57006 (A11).

Dot blot: use at 0.5-1ug/ml



Dot blot analysis of A β 42 and polyQ36 prefibrillar oligomers and fibrils. A β 42 and polyQ fibrils stain with #57005 serum (OC), while A β 42 and polyQ prefibrillar oligomers react with #57006 (A11).

ELISA: use at 1-10ug/ml with amyloid oligomer-containing samples on the solid phase.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least 1 year at -20°C . Freeze in multiple aliquots to avoid repeated freeze-thaw cycles.