

APP oligomers polyclonal antibody (ATTO 488)

Catalog # PAB28930 Size 100 uL

Applications

Application Data with Unconjugated Antibody

Western Blot

□

Western blot analysis of Abeta42 fibrils (Lane 1, Lane 3) and prefibrillar oligomers (Lane 2, Lane 4) with APP fibrils polyclonal antibody (Cat # PAB28910; Lane 1, Lane 2) and APP oligomers polyclonal antibody (Cat # PAB28928; Lane 3, Lane 4).

Application Data with Unconjugated Antibody

Dot Blot

□

Dot blot analysis of Abeta42 and polyQ36 prefibrillar oligomers and fibrils with APP oligomers polyclonal antibody (Cat # PAB28928) and APP fibrils polyclonal antibody (Cat # PAB28910).

Specification

Product Description	Rabbit polyclonal antibody against amyloid oligomers.
Immunogen	Synthetic molecular mimic of soluble APP oligomers.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	PAB28930 recognizes all types of amyloid oligomers, likely with a peptide backbone epitope that is common in amyloid oligomers but not in native proteins, amyloidogenic monomer or mature amyloid fibrils. A 1:1000 dilution of PAB28930 was sufficient for detection of amyloid oligomers in 10ug of mouse brain lysates by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Form	Liquid

Conjugation	ATTO 488
Purification	Protein A affinity purification
Recommend Usage	Dot blot ELISA Immunofluorescence Immunohistochemistry (1:1000-10000) Immunoprecipitation (1:1000) Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	PBS pH7.4, 50% glycerol and 0.09% sodium azide
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	Application Data with Unconjugated Antibody Western Blot Western blot analysis of Abeta42 fibrils (Lane 1, Lane 3) and prefibrillar oligomers (Lane 2, Lane 4) with APP fibrils polyclonal antibody (Cat # PAB28910; Lane 1, Lane 2) and APP oligomers polyclonal antibody (Cat # PAB28928; Lane 3, Lane 4). Dot Blot Dot blot analysis of Abeta42 and polyQ36 prefibrillar oligomers and fibrils with APP oligomers polyclonal antibody (Cat # PAB28928) and APP fibrils polyclonal antibody (Cat # PAB28910).

Applications

- Western Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

[Protocol Download](#)

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot

Gene Info — APP

Entrez GeneID	351
Gene Name	APP
Gene Alias	AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2
Gene Description	amyloid beta (A4) precursor protein
Omim ID	104760 605714
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebral amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	A4 amyloid protein amyloid beta A4 protein amyloid-beta protein beta-amyloid peptide cerebral vasculature amyloid peptide peptidase nexin-II protease nexin-II

Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Down Syndrome](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Neuropsychological Tests](#)
- [Psychiatric Status Rating Scales](#)
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