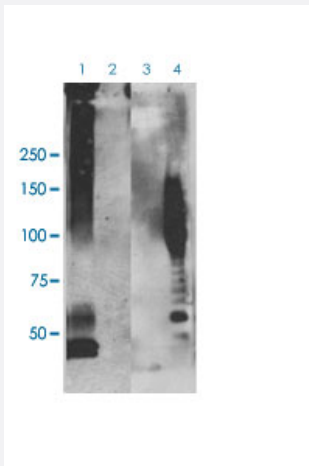


APP oligomers polyclonal antibody

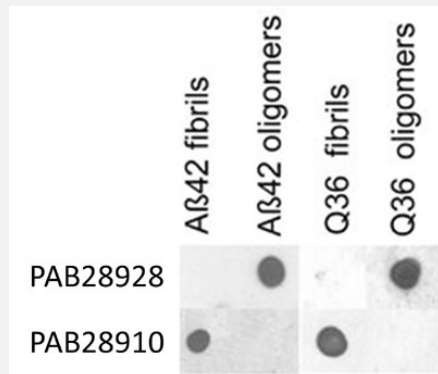
Catalog # PAB28928 Size 100 uL

Applications



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).

Specification

Product Description	Rabbit polyclonal antibody against amyloid oligomers.
Immunogen	Synthetic molecular mimic of soluble APP oligomers.
Host	Rabbit
Reactivity	Human, Mouse, Rat

Specificity	PAB28928 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 PAB28928 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
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 -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- 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).

- Immunohistochemistry

- Immunofluorescence

- Immunoprecipitation

[Protocol Download](#)

- Enzyme-linked Immunoabsorbent Assay

- 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).

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 arteriole 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-III|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](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)