

Product datasheet for **TA326459**

Amyloid Precursor Protein (APP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	IHC: 1:1000-1:10000, IP: 1:1000
Reactivity:	Human, Mouse, Rat, Eukaryote
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic molecular mimic of soluble oligomers.
Formulation:	PBS, 50% glycerol, 0.09% sodium azide
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	amyloid beta precursor protein
Database Link:	NP_000475 Entrez Gene 11820 Mouse Entrez Gene 54226 Rat Entrez Gene 351 Human P05067
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. These include the amyloid-peptide plaques and tau neurofibrillary tangles in senile plaques of Alzheimers symptomology, the deposition of -synuclein in the Lewy bodies of Parkinsons disease, and accumulation of polyglutamine-containing aggregates in Huntingtons disease.
Synonyms:	AAA; ABETA; ABPP; AD1; APPI; CTFgamma; CVAP; PN-II; PN2
Note:	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 amyloid fibrils.

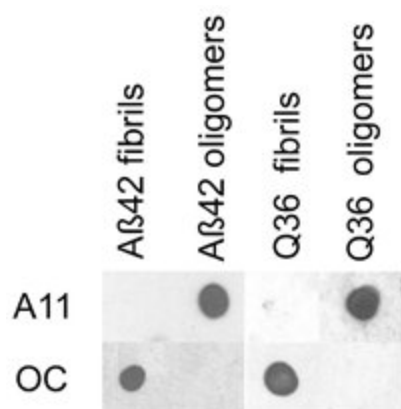


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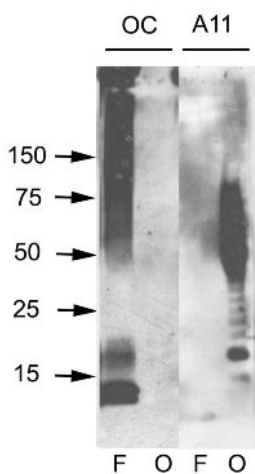
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Alzheimer's disease

Product images:



Dot blot analysis of Aβ42 and polyQ36 prefibrillar oligomers and fibrils. Aβ42 and polyQ fibrils only stain with OC serum, while Aβ42 and polyQ prefibrillar oligomers only react with A11 (Catalog # TA326459).



Western blot analysis of Aβ42 fibrils and prefibrillar oligomers. Aβ42 fibrils (F) and prefibrillar oligomers (O) were run on SDS polyacrylamide gels, transferred to nitrocellulose and probed with OC and A11 antibodies.