

[KO Validated] Amyloid beta A4 Rabbit mAb

Catalog No.	A17911	Category	Monoclonal Antibodies
Applications	WB, IHC, IF	Observed MW	100-140kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	95kDa

Immunogen Information

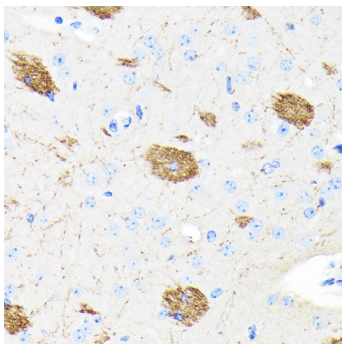
Immunogen	A synthesized peptide derived from human Amyloid beta A4
Gene ID	351
Swiss prot	P05067
Synonyms	AAA;ABETA;ABPP;AD1;APPI;CTFgamma;CVAP;PN-II;PN 2;Amyloid beta A4;APP;Aβ42;preA4

Product information

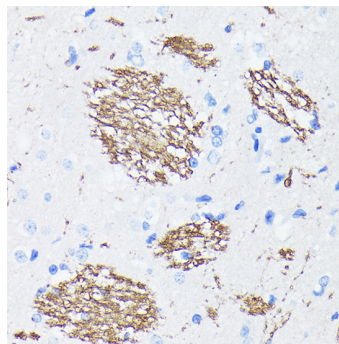
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq, Aug 2014]



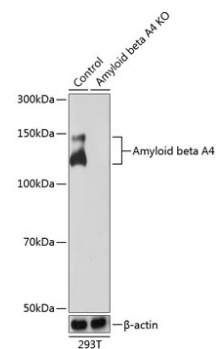
Immunohistochemistry of paraffin-embedded mouse brain using Amyloid beta A4 Rabbit mAb (A17911) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using Amyloid beta A4 Rabbit mAb (A17911) at dilution of 1:100 (40x lens).

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

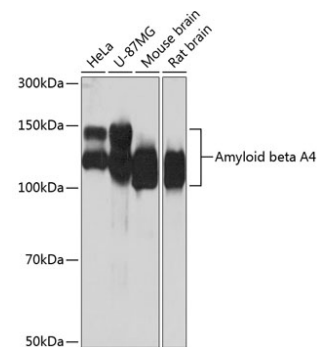


Western blot analysis of extracts from normal (control) and Amyloid beta A4 knockout (KO) 293T cells, using Amyloid beta A4 antibody (A17911) at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.

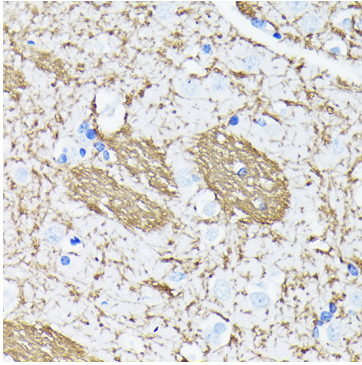


Western blot analysis of extracts of various cell lines, using Amyloid beta A4 antibody (A17911) at 1:1000 dilution.

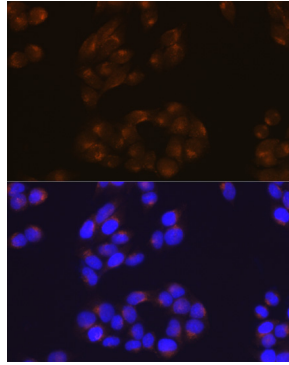
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunohistochemistry of paraffin-embedded human brain using Amyloid beta A4 Rabbit mAb (A17911) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using Amyloid beta A4 Rabbit mAb (A17911) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.