

[KO Validated] APP Monoclonal Antibody

CAB17911

Description

This [KO Validated] APP Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB17911

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Monoclonal Antibody

Synonyms: AAA, AD1, PN2, ABPP, APPI, CVAP, ABETA, PN-II, preA4, CTFgamma, alpha-sAPP, PP

Clone: ARC0465

Applications:      

Conjugation: Unconjugated

Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 351

Uniprot: AB_2861756

Host Species: Rabbit

Purification: Affinity purification

Observed MW: 100-140kDa

Calculated MW: 87kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

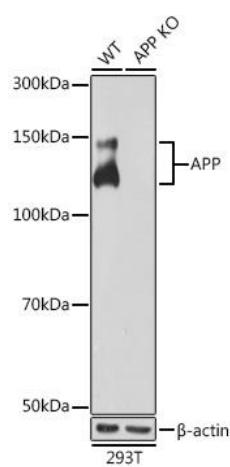
Positive Sample: 293T, HeLa, U-87 MG, Mouse brain, Rat brain

Recommended Dilutions:

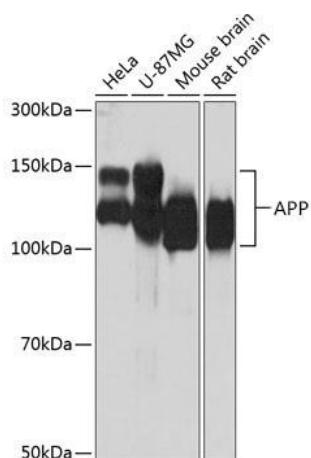
WB	1:1000 - 1:6000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
IF/ICC	1:100 - 1:800
IF-P	1:100 - 1:800
IHC-P	1:2000 - 1:8000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

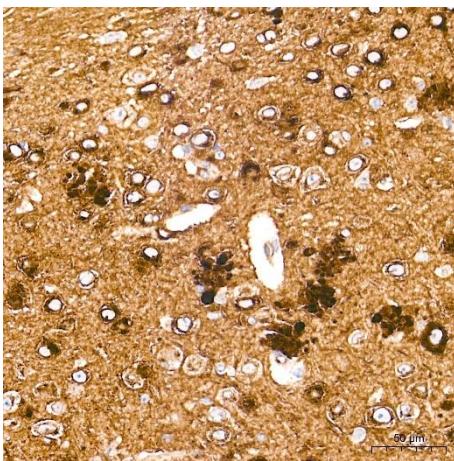
Validation Data



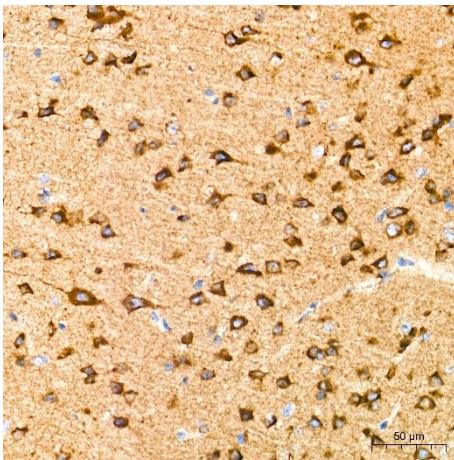
Western blot analysis of lysates from wild type (WT) and APP knockout (KO) 293T cells, using [KO Validated] APP Rabbit mAb (CAB17911) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



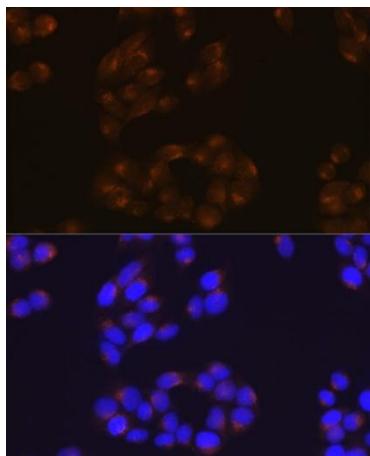
Western blot analysis of various lysates using [KO Validated] APP Rabbit mAb (CAB17911) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



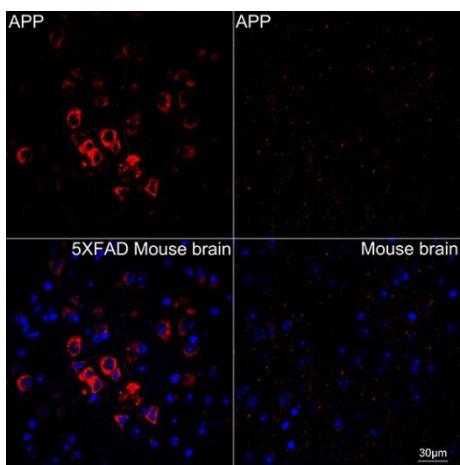
Immunohistochemistry analysis of paraffin-embedded (5XFAD)Mouse brain tissue using [KO Validated] APP Rabbit mAb (CAB17911) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using [KO Validated] APP Rabbit mAb (CAB17911) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using APP Rabbit mAb (CAB17911) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Confocal imaging of paraffin-embedded 5XFAD Mouse brain and Mouse brain using [KO Validated] APP Rabbit mAb (CAB17911, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.