

[KO Validated] Anti-Amyloid Precursor Protein Rabbit pAb

Purified Rabbit Polyclonal Antibody

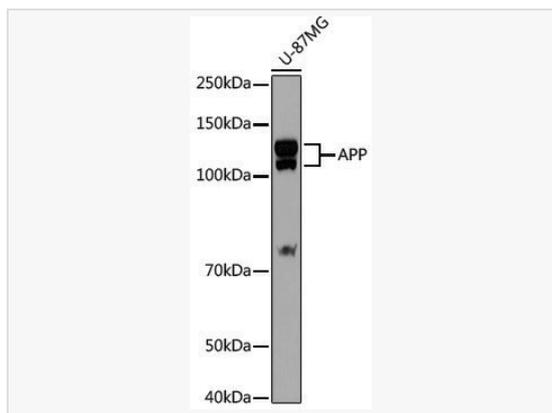
Catalog # P102970

Product Information

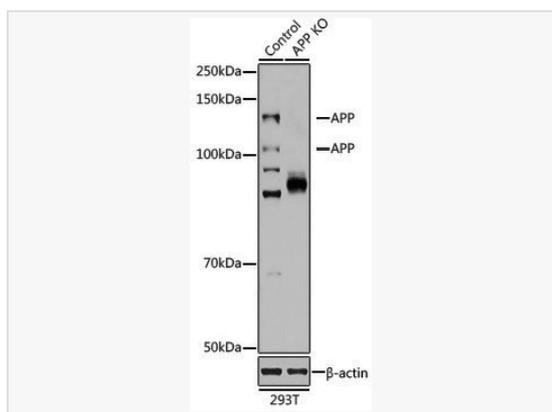
Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human A β 42 (NP_000475.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Amyloid Precursor Protein Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

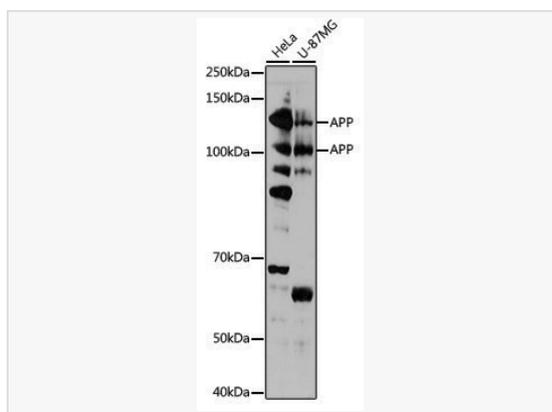
Synonyms	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; alpha-sAPP; APP.
Calculated MW	Calculated MW: 87 kDa; Observed MW: 100 kDa/140 kDa
Uniprot ID	P05067
Gene ID	351
Background	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases 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.



Western blot analysis of lysates from U-87MG cells, using [KO Validated] APP Rabbit pAb (P102970) at 1:1,000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Kit.
 Exposure time: 180s.



Western blot analysis of lysates from wild type (WT) and APP knockout (KO) 293T cells, using [KO Validated] APP Rabbit pAb (P102970) at 1:1,000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Kit.
 Exposure time: 90s.



Western blot analysis of various lysates using [KO Validated] APP Rabbit pAb (P102970) at 1:1,000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Kit.
 Exposure time: 90s.