

Datasheet for 600-401-J10**Beta Amyloid protein 40 Antibody****Overview**

Description:	Anti-Beta Amyloid 40 (RABBIT) Antibody - 600-401-J10
Item No.:	600-401-J10
Size:	50 µg
Reactivity:	Human, Mouse, Rat, Primate
Host Species:	Rabbit

Product Details

Background:	Beta Amyloid protein is associated with neuronal injury and death in Alzheimer's disease. These proteins are the main components of amyloid plaques. Anti-Beta Amyloid 40 protein antibody is ideal for researchers interested in Apoptosis, Alzheimer's Research, Cell Cycle and Replication, Neurodegeneration, Neuroscience, and Neuronal Cell Marker research.
Synonyms:	rabbit anti-Beta Amyloid 40 Antibody, β -amyloid 40, Amyloid beta A4 protein, Alzheimer disease amyloid protein, Beta amyloid, A-beta, ABPP, APPI
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	APP
Reactivity:	Human, Mouse, Rat, Primate
Immunogen Type:	Conjugated Peptide
Immunogen:	Beta Amyloid 40 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminus region of AB40.

Purity/Specificity: Anti-Beta Amyloid 40 was affinity purified from monospecific antiserum by immunoaffinity chromatography. A BLAST analysis was used to suggest reactivity with human, sheep, rabbit, canine, bovine, pig, guinea pig, and monkey based on 100% sequence homology. This antibody will not react with AB42. Cross-reactivity with Beta Amyloid from other sources has not been determined.

Relevant Links:

- [UniProtKB - P05067](#)
- [NCBI - NP_000475.1](#)
- [GeneID - 351](#)

Application Details

Application Note: Anti-Beta Amyloid 40 antibody is useful for Western Blot and ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~86.9 kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000 - 1:60,000

IF: 1:100-1:500

IHC: 1:100-1:500

WB: 1 µg/ml

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1.12 mg/ml by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: None

Stabilizer: 50% (v/v) Glycerol with 1 mg/ml Bovine Serum Albumin (BSA)

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is six (6) months from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.