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Datasheet for 600-401-J13

Beta Amyloid pyro E11 Antibody

Overview

Description:	Anti-Beta Amyloid pyro E11 (RABBIT) Antibody - 600-401-J13
Item No.:	600-401-J13
Size:	50 µg
Applications:	WB
Reactivity:	Human, Primate
Host Species:	Rabbit

Product Details

Background:	The cerebral and vascular plaques associated with Alzheimer's disease are mainly composed of Amyloid beta peptides. Beta Amyloid is derived from cleavage of the Amyloid precursor protein and varies in length from 39 to 43 amino acids. Beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides result from cleavage of Amyloid precursor protein after residues 40, 42, and 43, respectively. The cleavage takes place by gamma-secretase during the last Amyloid precursor protein processing step. Beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides are major constituents of the plaques and tangles that occur in Alzheimer's disease. Beta Amyloid antibodies and peptides have been developed as tools for elucidating the biology of Alzheimer's disease. Anti-beta Amyloid [Pyro Glu11] antibody is ideal for researchers interested Alzheimer's Research, Cell Cycle and Replication, and Neuroscience research.
Synonyms:	rabbit anti-Beta Amyloid pyro E11 Antibody, ß-amyloid pyro E11, Alzheimer disease amyloid protein, Beta amyloid, A-beta, ABPP, APPI
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	APP
Reactivity:	Human, Primate

PTM Specificity:	Pyroglutamate
Immunogen Type:	Conjugated Peptide
Immunogen:	beta Amyloid [Pyro Glu11] affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the N-terminus 11-pyro E start point of human beta Amyloid.
Purity/Specificity:	Anti-Beta Amyloid pyro Glu11 was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody is specific to the N-terminus 11-pyro E start point. A BLAST analysis was used to suggest cross-reactivity with Human and Primate based on 100% sequence homology. Cross-reactivity with beta Amyloid pyro Glu11 from other sources has not been determined.
Relevant Links:	• UniProtKB - P05067 • NCBI - NP_000475.1 • GeneID - 351

Application Details

Tested Applications:	WB
Application Note:	Anti-Beta Amyloid pyro Glu11 antibody has been tested by western blot and is useful for ELISA, Western Blot and Immunostaining. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~86.9kDa 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:	0.2 µg/ml

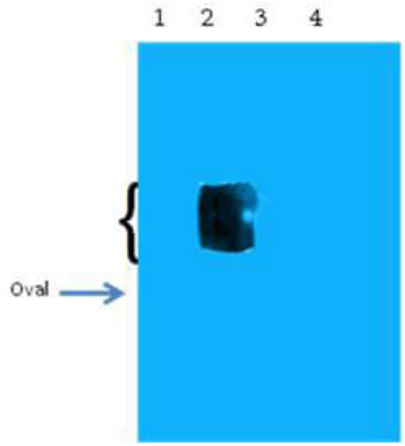
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.75mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	30% Glycerol

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.

Images



Western Blot
Western Blot of Rabbit Anti-beta Amyloid pyro E11 antibody. Lane 1: Ovalbumin Control. Lane 2: beta Amyloid pyro E11 peptide. Lane 3: beta Amyloid 11 peptide. Lane 4: beta Amyloid pyro E3 peptide. Load: 1 µg per lane. Primary antibody: ß Amyloid pyro E11 antibody at 0.2µg/mL for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 86.9 kDa for beta Amyloid pyro E11 peptide.

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