

Datasheet for ABIN7543179

Recombinant anti-beta Amyloid antibody[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	beta Amyloid (Abeta)
Reactivity:	Human
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This beta Amyloid antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	Anti-Amyloid Beta [21F12], Human IgG1, kappa
Immunogen:	The original antibody was generated by immunizing A/J mice with a synthetic peptide (NH ₂ -CYS-NH-CH ₂ -(CH ₂) ₅ -CO-GLMVGGVVIA-COOH) as an immunogen.
Clone:	21F12
Isotype:	IgG1 kappa
Specificity:	This antibody recognizes amino acids 33-42 of amyloid beta.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG2b
Purification:	Protein A affinity purified

Target Details

Target:	beta Amyloid (Abeta)
Alternative Name:	Amyloid Beta (Abeta Products)
Background:	Abeta, A-beta, A β , A β 42, Alzheimer disease amyloid protein, S-APP-beta
UniProt:	P05067
Pathways:	Inflammasome

Application Details

Application Notes:	This antibody has very high specificity for A β 1-42 over A β 1-40. This antibody is capable of immunoprecipitating A β peptides ending at aa position 42 and also p3 peptides (PMID: 8917563). This antibody is also recommended for detection of amyloid beta using sandwich ELISA (PMID: 9037091, 19204155). This antibody was also used in the quantification of the proportion of full-length A β using western blotting (PMID: 12787077). This antibody has also been used for the identification of A β 42 plaques on paraffin frontal sections (PMID: 15215183, 19660650). This antibody is unable to bind plaques in unfixed brain sections. This antibody is also not capable of clearing plaque after in vivo administration (PMID: 10932230).
Comment:	This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % Proclin 300.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.