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# anti-beta Amyloid antibody (N-Term)

2 Images



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#### Overview

Quantity:	0.1 mg
Target:	beta Amyloid (Abeta)
Binding Specificity:	AA 1-16, N-Term
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta Amyloid antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Synthetic amyloid beta peptide corresponding to amino acids 1-16 of human amyloid beta
Clone:	2C8
Isotype:	lgG2b
Cross-Reactivity (Details):	Species reactivity (tested):Human, weakly with mouse brain
Purification:	Protein-A Sepharose

# Target Details

Target:	beta Amyloid (Abeta)
Alternative Name:	Amyloid beta (Abeta Products)
Background:	Alzheimer's disease (AD) is the most common form of dementia in the elderly. The

#### **Target Details**

neuropathological hallmarks are neurofibrillary tangles and senile plaques. The major protein component of the plaques is a 39-42 amino acid peptide (ß-amyloid/Aß). Aß occurs in two predominant forms with different COOH-termini, Aß 40 and Aß 42, and overproduction of Aß 42 has been suggested to be the cause of familial early-onset AD. Aß generation depends on proteolytic cleavage of the amyloid precursor protein (APP) by two unknown proteases: ß-secretase and gamma-secretase. Recent study suggested that a transmembrane aspartic protease, termed beta-site APP-cleaving enzyme (BACE), functionally acts as the ß-secretase. This antibody recognizes N-terminal of Aß 40 and Aß 42 specifically. Synonyms: Amyloid beta peptide

Pathways:

Inflammasome

### **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

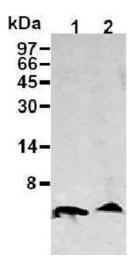
#### Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 50 % glycerol, pH 7.2, without preservatives
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store (in aliquots) at -20 °C.



#### **Immunohistochemistry**

Image 1.



#### **Western Blotting**

Image 2.