Datasheet for ABIN126718

anti-beta Amyloid antibody (C-Term, N-Term) (FITC)

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Overview

Quantity:	0.1 mg
Target:	beta Amyloid (Abeta)
Binding Specificity:	AA 1-40, C-Term, N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta Amyloid antibody is conjugated to FITC
Application:	Immunofluorescence (IF)

Product Details

Immunogen:	C-terminal peptide conjugated to KLH
Clone:	5C3
Isotype:	IgG1
Specificity:	This antibody specifically interacts with the C-Terminus of β-Amyloid (1 - 40) and does not crossreact with β-Amyloid (1 - 42).
Purification:	Size exclusion chromatography

Target Details

Target:	beta Amyloid (Abeta)
Alternative Name:	Amyloid beta (Abeta Products)

Target Details

Background:	The beta-amyloid peptide (beta A4), proteolytically released from the amyloid precursor protein (APP), is the principal component of senile plaques in Alzheimer's disease. Cleavage of APP by alpha-secretase or alternatively by beta-secretase leads to generation and extracellular release of soluble APP peptides, S-APP-alpha and S-APP-beta, respectively, and the retention of corresponding membrane-anchored C-terminal fragments, C83 and C99. Subsequent processing of C83 by gamma-secretase yields P3 peptides. This is the major secretory pathway and is nonamyloidogenic. Alternatively, presenilin/nicastrin-mediated gamma-secretase processing of C99 releases the amyloid beta proteins, amyloid-beta 40 (Abeta40) and amyloid-beta 42 (Abeta42), major components of amyloid plaques, and the cytotoxic C-terminal fragments, gamma-CTF(50), gamma-CTF(57) and gamma-CTF(59).Synonyms: Amyloid beta peptide
Pathways:	Inflammasome

Application Details

Application Notes:	Immunocytochemistry: 1 - 10 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS/0.09 % Na-Azide/PEG and Sucrose
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-80 °C
Storage Comment:	Store the antibody (aliquote in liquid nitrogen) at -80 °C. Avoid repeated freezing and thawing. Thaw aliquots at 37 °C. Thawed aliquots may be stored at 2-8 °C up to 3 months. Shelf life: one year from despatch.
Expiry Date:	12 months