Human PSENEN Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 665521

Catalog Number: FAB6859R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PSENEN in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 665521
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Peptide containing human PSENEN Gly89-Gly98 Accession # Q9NZ42
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Gamma-secretase subunit PSENEN, also called PEN-2 (Presenilin enhancer protein 2) is a 10 kDa member of the PEN-2 family. Human PSENEN is 101 amino acids (aa) in length, and is a multi-pass transmembrane protein. Residues 1-17 are on the luminal side of the endoplasmic reticulum or Golgi apparatus, where PSENEN is primarily located. Amino acids 18-38 form a transmembrane region, and aa 39-60 form a cytoplasmic segment. Another transmembrane segment is formed by residues 61-81, and residues 82-101 are located on the luminal side of the ER or cis-Golgi. Human PSENEN shares 96% aa sequence identity with mouse and rat PSENEN. Functionally, PSENEN is an essential subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and beta-amyloid precursor protein.

PRODUCT SPECIFIC NOTICES

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