RecomAb™

PSENEN recombinant monoclonal antibody, clone R08-5F0

Catalog # RAB04474 Size 100 uL

Applications

Western Blot

Western blot analysis of Lane 1: Raw 264.7 whole cell lysate and Lane 2: mouse brain tissue with PSENEN recombinant monoclonal antibody, clone R08-5F0 (Cat # RAB04474).

Immunocytochemistry

Immunocytochemistry staining of HeLa cells with PSENEN recombinant monoclonal antibody, clone R08-5F0 (Cat # RAB04474) (green). DAPI was stained the cell nucleus (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PSENEN.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PSENEN.
Theoretical MW (kDa)	Calculated MW: 12 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

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- Immunohistochemistry

- Immunocytochemistry

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- Immunofluorescence

Gene Info — PSENEN

Entrez GeneID	55851
Protein Accession#	Q9NZ42
Gene Name	PSENEN
Gene Alias	MDS033, MSTP064, PEN-2, PEN2
Gene Description	presenilin enhancer 2 homolog (C. elegans)

Omim ID	607632
Gene Ontology	Hyperlink
Gene Summary	Presenilins, which are components of the gamma-secretase protein complex, are required for intr amembranous processing of some type I transmembrane proteins, such as the Notch proteins an d the beta-amyloid precursor protein. Signaling by Notch receptors mediates a wide range of dev elopmental cell fates. Processing of the beta-amyloid precursor protein generates neurotoxic amy loid beta peptides, the major component of senile plaques associated with Alzheimer's disease. This gene encodes a protein that is required for Notch pathway signaling, and for the activity and accumulation of gamma-secretase. [provided by RefSeq
Other Designations	hematopoietic stem/progenitor cells protein MDS033|presenilin enhancer 2

Pathway

- Notch signaling pathway

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis