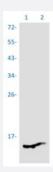




# PSENEN recombinant monoclonal antibody, clone R08-5F0

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



#### **Product Information**

Purification	Affinity chromatography
Isotype	lgG
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

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

Immunofluorescence

# Gene Info — PSENEN

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



### **Product Information**

Omim ID	<u>607632</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	Presenilins, which are components of the gamma-secretase protein complex, are required for intra membranous processing of some type I transmembrane proteins, such as the Notch proteins and the beta-amyloid precursor protein. Signaling by Notch receptors mediates a wide range of developmental 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