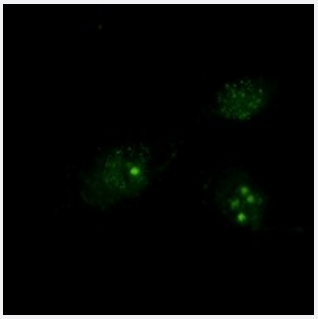
RecomAb™ Sm Size

PSEN1 recombinant monoclonal antibody

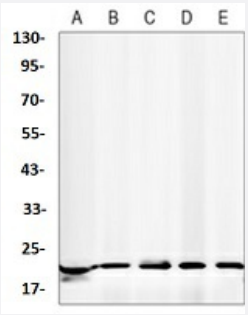
Catalog # RAB09202 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent analysis of SKOV3 cells with PSEN1 recombinant monoclonal antibody (Cat # RAB09202). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot

Western blot analysis of Hela (A), C6 (B), Jurkat (C), mouse colon (D), mouse gastric (E) whole cell lysates with PSEN1 recombinant monoclonal antibody (Cat # RAB09202).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PSEN1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human PSEN1.
Theoretical MW (kDa)	22
Reactivity	Human, Mouse, Rat

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Specificity	Recognizes endogenous levels of Presenilin 1 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation (1:10-1:50) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

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- Western Blot

  Western blot analysis of Hela (A), C6 (B), Jurkat (C), mouse colon (D), mouse gastric (E) whole cell lysates with PSEN1 recombinant monoclonal antibody (Cat # RAB09202).

Gene Info — PSEN1

Entrez GeneID	5663
Protein Accession#	P49768
Gene Name	PSEN1
Gene Alias	AD3, FAD, PS1, S182

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Gene Description	presenilin 1
Omim ID	104311 172700 600274 607822
Gene Ontology	Hyperlink
Gene Summary	Alzheimer's disease (AD) patients with an inherited form of the disease carry mutations in the pre senilin proteins (PSEN1; PSEN2) or in the amyloid precursor protein (APP). These disease-linke d mutations result in increased production of the longer form of amyloid-beta (main component of amyloid deposits found in AD brains). Presenilins are postulated to regulate APP processing thro ugh their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the pr esenilins are involved in the cleavage of the Notch receptor, such that they either directly regulate gamma-secretase activity or themselves are protease enzymes. Several alternatively spliced tran script variants encoding different isoforms have been identified for this gene, the full-length nature of only some have been determined. [provided by RefSeq
Other Designations	-

Pathway

- Neurotrophin signaling pathway
- Notch signaling pathway
- Wnt signaling pathway

Disease

- Alzheimer disease
- Amyotrophic lateral sclerosis
- Anomia
- Cardiovascular Diseases
- Chromosome Disorders
- Cognition
- Cognition Disorders
- Dementia
- Depressive Disorder
- Diabetes Complications

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- Disease Progression
- Down Syndrome
- Genetic Predisposition to Disease
- Headache
- Lewy Body Disease
- Macular Degeneration
- Memory Disorders
- Mental Status Schedule
- Metabolic Syndrome X
- Narcolepsy
- Neoplasms
- Neurodegenerative Diseases
- Neuropsychological Tests
- Osteoporosis
- Parkinson disease
- Psychiatric Status Rating Scales
- Recurrence
- Schizophrenia
- Tobacco Use Disorder
- Tourette Syndrome

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