RecomAb™

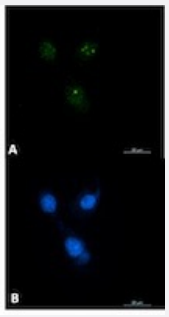
PSEN1 recombinant monoclonal antibody, clone R05-4D4

Catalog # RAB01985 Size 100 uL

Applications

Western Blot

Western blot analysis of Lane 1: Hela, Lane 2: C6 and Lane 3: Jurkat lysates with PSEN1 recombinant monoclonal antibody, clone R05-4D4 (Cat # RAB01985).



Immunocytochemistry

Immunocytochemical staining of SKOV-3 with PSEN1 recombinant monoclonal antibody, clone R05-4D4 (Cat # RAB01985). (A) PSEN1 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PSEN1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PSEN1.
Theoretical MW (kDa)	Calculated MW: 53 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	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.

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- Immunofluorescence

- Immunoprecipitation

Gene Info — PSEN1

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