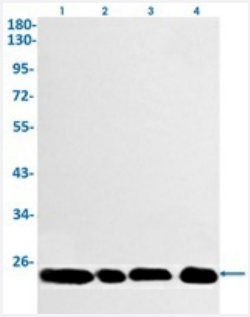
RecomAb™

PSEN2 recombinant monoclonal antibody, clone R02-5B8

Catalog # RAB01737 Size 100 uL

Applications



Western Blot

Western blot analysis of Presenilin 2 in rat Brain, C6, 3T3, Hela lysates using human Presenilin 2 recombinant monoclonal antibody, clone R02-5B8 (Cat # RAB01737).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Presenilin 2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Presenilin 2
Theoretical MW (kDa)	Calculated MW: 50 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1,000) 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 4°C for short term. 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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- Immunoprecipitation

Gene Info — PSEN2

Entrez GeneID	5664
Protein Accession#	P49810
Gene Name	PSEN2
Gene Alias	AD3L, AD4, PS2, STM2
Gene Description	presenilin 2 (Alzheimer disease 4)
Omim ID	600759 606889
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 or PSEN2) or 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 act are protease enzymes. Two alternatively spliced tra nscript variants encoding different isoforms of PSEN2 have been identified. [provided by RefSeq
Other Designations	Alzheimer's disease 3-like|OTTHUMP00000035671|presenilin 2

Pathway

- Notch signaling pathway

Disease

- Alzheimer disease
- Amnesia
- Cardiovascular Diseases
- Cognition Disorders
- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Macular Degeneration
- Metabolic Syndrome X
- Narcolepsy
- Neoplasms
- Neuropsychological Tests
- Osteoporosis
- Tourette Syndrome