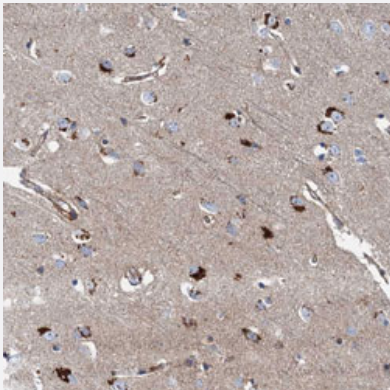


PSEN1 polyclonal antibody

Catalog # PAB31155 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cerebral cortex with PSEN1 polyclonal antibody (Cat # PAB31155) shows strong cytoplasmic positivity with a granular pattern in neuronal cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human PSEN1.
Immunogen	Recombinant protein corresponding to human PSEN1.
Sequence	EAQRRVSKNSKYNAESTERESQDTVAENDDGGFSEEWEAQRDShLGPHRSTPESRAAVQELS SSILAGEDPEERGVKLG
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction

Store at 4°C for short term storage. 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 should be handled by trained staff only.

Applications

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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 presenilin proteins (PSEN1; PSEN2) or in the amyloid precursor protein (APP). These disease-linked 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 through their effects on gamma-secretase, an enzyme that cleaves APP. Also, it is thought that the presenilins 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 transcript 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

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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](#)