

## PS-1 rabbit pAb

Cat No.: ES6848

For research use only

## Overview

Product Name PS-1 rabbit pAb

Host species Rabbit

Applications WB;IHC;IF;ELISA Species Cross-Reactivity Human;Rat;Mouse;

Recommended dilutions WB 1:500-2000;IHC-p 1:100-500;IF/ICC

1:100-500;ELISA 1:5000-20000

Immunogen The antiserum was produced against synthesized

peptide derived from human Presenilin 1. AA

range:1-50

**Specificity** PS-1 Polyclonal Antibody detects endogenous levels

of PS-1 protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Storage** Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Presenilin-1
Gene Name PSEN1

**Cellular localization** Endoplasmic reticulum . Endoplasmic reticulum

membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic granule. Cell membrane; Multi-pass membrane protein. Cell projection,

growth cone . Early endoso

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 60kD
Human Gene ID 5663
Human Swiss-Prot Number P49768

Alternative Names PSEN1; AD3; PS1; PSNL1; Presenilin-1; PS-1; Protein

**S1**82

Background Alzheimer's disease (AD) patients with an inherited

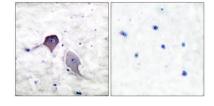


+86-27-59760950 ELKbio@ELKbiotech.com www.elkbiotech.com



form of the disease carry mutations in the presentlin 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, Aug 2008],

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Presenilin 1 Antibody. The picture on the right is blocked with the synthesized peptide.



+86-27-59760950

-- 117 Western blot analysis of lysates from mouse heart cells,
using Presenilin 1 Antibody. The lane on the right is
blocked with the synthesized peptide.

-- 48
-- 34
-- 26
-- 19
(kD)

