



## Product Information Sheet

### Polyclonal Anti- Presenilin-2 (*Magnetic Bead Conjugate*)

**Catalogue No.** PA1358-M

**Lot No.** 01310120258124

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

Human, rat

No cross reactivity with other proteins.

**Recommended application**

ImmunoPrecipitation (IP)

**Immunogen**

A synthetic peptide corresponding to a sequence at the middle region of human Presenilin-2 (319-334 aa), identical to the related mouse and rat sequence.

**Purity**

Immunogen affinity purified.

**Contents**

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN<sub>3</sub>.

**Storage**

Store at 4°C for frequent use.

**Description**

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation.

## BACKGROUND

Presenilin-2 is a protein that in humans is encoded by the *PSEN2* gene.<sup>[1]</sup> Kovacs et al. (1996) demonstrated that the expression patterns of PS1 and PS2 in the brain are extremely similar to each other and that messages for both are primarily detectable in neuronal populations. Immunochemical analyses indicated that PS1 and PS2 are similar in size and localize to similar intracellular compartments (endoplasmic reticulum and Golgi complex). Li et al. (1997) demonstrated that wildtype PS1 and PS2 are localized to the nuclear membrane, its associated interphase kinetochores, and the centrosomes. In melanocytic cells *PSEN2* gene expression may be regulated by MITF.<sup>[2]</sup>

## REFERENCE

1. Levy-Lahad E, Wijsman EM, Nemens E, Anderson L, Goddard KA, Weber JL, Bird TD, Schellenberg GD (September 1995). "A familial Alzheimer's disease locus on chromosome 1".
2. Hoek KS, Schlegel NC, Eichhoff OM, et al. (2008). "Novel MITF targets identified using a two-step DNA microarray strategy".

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