Polyclonal Anti- Presenilin-2

Catalogue No. PA1358

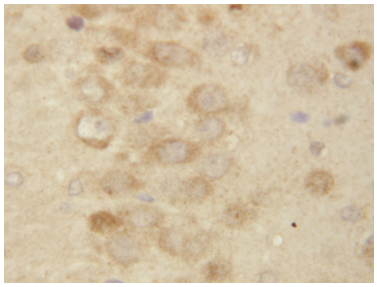
Lot No. 01310120258124

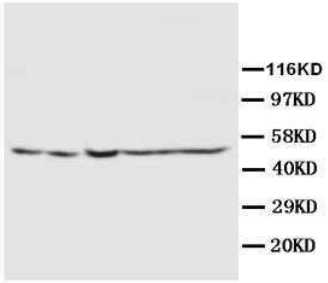
Ig type rabbit IgG

Size 100µg/vial

Specificity
Human,rat
No cross reactivity with other proteins.

Recommended application
Western blot
Immunohistochemistry(P)
Immunohistochemistry(F)





Lane 1 : Rat brain tissue Lysate
Lane 2 : Rat brain tissue Lysate
Lane 3 : MCF-7 Whole Cell Lysate
Lane 4 : HeLa Whole Cell Lysate
Lane 5 : SMMC Whole Cell Lysate
Lane 6 : CEM Whole Cell Lysate

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.

Application

	Concen-tration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	1µg/ml	Rat	Ms	By Heat
IHC-F	1µg/ml	Rat	Ms	-
ICC	-	-	-	-

Other applications have not been tested.
Optimal dilutions should be determined by end user.

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na_2HPO_4, 0.05mg Thimerosal, 0.05mg NaN_3.

Reconstitution
0.2ml of distilled water will yield a concentration of 500µg/ml.

Storage
At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for longer time.

To reorder contact us at:
Antagene, Inc.
Toll Free: 1(866)964-2589
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BACKGROUND

Presenilin-2 is a protein that in humans is encoded by the *PSEN2* gene.[1]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.[2]

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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