antibodies.com

# Datasheet for ABIN3044383 anti-Presenilin 2 antibody (N-Term)

4 Images



Overview

Quantity:	100 µg
Target:	Presenilin 2 (PSEN2)
Binding Specificity:	AA 39-51, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Presenilin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

# Product Details

Purpose:	Rabbit IgG polyclonal antibody for Presenilin-2(PSEN2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human Presenilin 2(39- 51aa EDGENTAQWRSQE), different from the related mouse and rat sequences by two amino acids.
Sequence:	EDGENTAQWR SQE
Isotype:	lgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN3044383 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Product Details							
Characteristics:	Rabbit IgG polyclonal antibody for Presenilin-2(PSEN2) detection. Tested with WB, IHC-P in						
	Human,Mouse,Rat.						
	Gene Name: presenilin 2(Alzheimer disease 4)						
	Protein Name: Presenilin-2(PS-2)						
Purification:	Immunogen affinity purified.						
Target Details							
Target:	Presenilin 2 (PSEN2)						
Alternative Name:	PSEN2 (PSEN2 Products)						
Background:	Presenilin-2 is a protein that in humans is encoded by the PSEN2 gene. 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 simila						
	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.						
	Synonyms: AD3L antibody AD3LP antibody AD4 antibody AD5 antibody Alzheimer disease 4						
	antibody CMD1V antibody E5-1 antibody OTTHUMP00000035671						
	antibody OTTHUMP00000035672 antibody OTTHUMP00000228286						
	antibody OTTHUMP00000228288 antibody Presenilin 2(Alzheimer disease 4)						
	antibody Presenilin 2 antibody Presenilin-2 CTF subunit antibody PS-2 antibody PS2						
	antibody Psen2 antibody PSN2_HUMAN antibody PSNL2 antibody STM-2 antibody STM2						
	antibody						
UniProt:	P49810						
Pathways:	Notch Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway						
Application Details							
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse						
	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,						
	Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for						
	Epitope Netheval by Neur. Doining the paramin beotions in No mini officiae barren, pri 0.0, for						

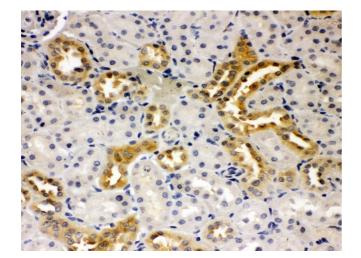
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN3044383 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Application Details	
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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 a longer time. Avoid repeated freezing and thawing.
Evpiny Data:	10 months

Expiry Date:

12 months

100KD - 70KD -	1	2	3	4	5	6
55KD -	_	_	_	_	_	_
35KD-						
25KD-						

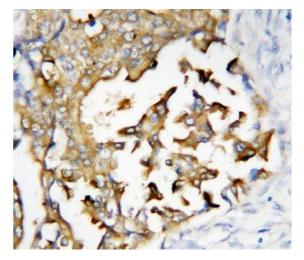


## Western Blotting

**Image 1.** Anti-Presenilin 2 antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane 3: MCF-7 Cell Lysate Lane 4: HELA Cell Lysate Lane 5: SMMC Cell Lysate Lane 6: CEM Cell Lysate

### Immunohistochemistry

**Image 2.** Anti-Presenilin 2 antibody, IHC(P) IHC(P): Rat Kidney Tissue



#### Immunohistochemistry

**Image 3.** Anti-Presenilin 2 antibody, IHC(P) IHC(P): Human Mammary Cancer Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3044383.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN3044383 | 09/11/2023 | Copyright antibodies-online. All rights reserved.