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Datasheet for ABIN7043554 anti-Presenilin 2 antibody (Intracellular, N-Term)





Overview

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Quantity:	0.2 mL	
Target:	Presenilin 2 (PSEN2)	
Binding Specificity:	AA 33-48, Intracellular, N-Term	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Presenilin 2 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)DSRPGPEDGENTAQWR, corresponding to amino acid residues 33- 48 of rat Presenilin-2	
lsotype:	lgG	
Characteristics:	Anti-Presenilin-2 Antibody (ABIN7043554, ABIN7044526 and ABIN7044527)) is a highly specific antibody directed against an epitope of the rat protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize PSEN2 from rat, mouse, and human samples.	
Purification:	Affinity purified on immobilized antigen.	

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Target Details	
Target:	Presenilin 2 (PSEN2)
Alternative Name:	Presenilin-2 (PSEN2 Products)
Background:	Alternative names: Psen2, Ps2, Psnl2, AD3LP, AD5, E5-1 STM-2
Gene ID:	81751
NCBI Accession:	NM_000447
UniProt:	088777
Pathways:	Notch Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway
Application Details	

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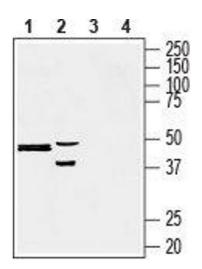
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	25 μL , 50 μL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min)

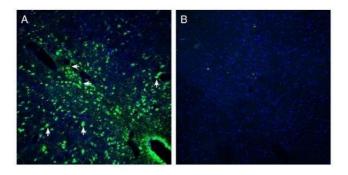
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Western Blotting

Image 1. Western blot analysis of human liver carcinoma HepG2 (lanes 1 and 3) and rat pheochromocytoma PC12 (lanes 2 and 4) cell lysates: - 1, 2. Anti-Presenilin-2 Antibody (ABIN7043554, ABIN7044526 and ABIN7044527), (1:200). 3, 4. Anti-Presenilin-2 Antibody, preincubated with Presenilin-2 Blocking Peptide (#BLP-IP012).



Immunohistochemistry

Image 2. Expression of Presenilin-2 in mouse midbrain -Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-Presenilin-2 Antibody (ABIN7043554, ABIN7044526 and ABIN7044527), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Presenilin-2 immunoreactivity (green) appears in neurons along the midline (horizontal arrows) and away from midline (vertical arrows). B. Pre-incubation of the antibody with Presenilin-2 Blocking Peptide (BLP-IP012), suppressed staining. Cell nuclei are stained with DAPI (blue).

Western Blotting

Image 3. Western blot analysis of rat heart membrane: - 1. Anti-Presenilin-2 Antibody (ABIN7043554, ABIN7044526 and ABIN7044527), (1:400). 2. Anti-Presenilin-2 Antibody, preincubated with Presenilin-2 Blocking Peptide (#BLP-IP012).

Please check the product details page for more images. Overall 4 images are available for ABIN7043554.

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