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anti-PEN2 antibody (AA 6-80)

2 Images



Publication



Go to Product page

Overview

Quantity:	100 μL
Target:	PEN2 (PSENEN)
Binding Specificity:	AA 6-80
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEN2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PEN2
Isotype:	IgG
Specificity:	Belongs to the PEN-2 family
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

rarget Details	
Target:	PEN2 (PSENEN)
Alternative Name:	PEN2 (PSENEN Products)
Background:	Synonyms: PEN2, PEN-2, MDS033, MSTP064, Gamma-secretase subunit PEN-2, Presenilin
	enhancer protein 2, PSENEN
	Background: Essential subunit of the gamma-secretase complex, an endoprotease complex
	that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch
	receptors and APP (beta-amyloid precursor protein). Probably represents the last step of
	maturation of gamma-secretase, facilitating endoproteolysis of presenilin and conferring
	gamma-secretase activity.
Gene ID:	55851
UniProt:	Q9NZ42
Pathways:	Notch Signaling, Neurotrophin Signaling Pathway
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
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4 °C,-20 °C

Storage:

Handling

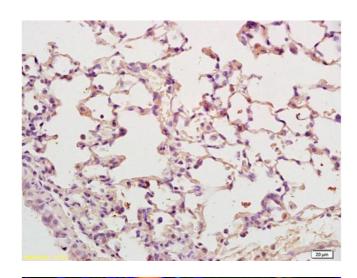
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

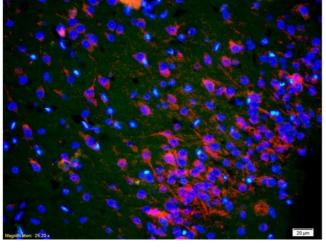
Chu, Peng, Long, Wang, Luo, Sharma, He: "Distribution and expression of Pen-2 in the central nervous system of APP/PS1 double transgenic mice." in: **Acta biochimica et biophysica Sinica**, Vol. 47, Issue 4, pp. 258-66, (2015) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse lung labeled with Rabbit Anti-IL-2R gamma Polyclonal Antibody (ABIN1387540) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunofluorescence

Image 2. Formalin-fixed and paraffin-embedded rat brain labeled with Anti-PEN2 Polyclonal Antibody, Unconjugated (ABIN1387540) 1:200, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3conjugated used at 1:200 dilution for 40 minutes at 37°C.