

Datasheet for ABIN1881862

anti-Synaptophysin antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	Synaptophysin (SYP)
Binding Specificity:	AA 225-253, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptophysin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This SYP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 225-253 amino acids from the C-terminal region of human SYP.
Clone:	RB32966
Isotype:	IgG
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Synaptophysin (SYP)
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Target Details

Alternative Name:	SYP (SYP Products)
Background:	Synaptophysin (p38) is an integral membrane protein of small synaptic vesicles in brain and endocrine cells.[supplied by OMIM].
Molecular Weight:	33845
NCBI Accession:	NP_003170
UniProt:	P08247
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling , Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	IF: 1:100. IF: 1:100. WB: 1:2000. IHC-P: 1:1000. IHC-P: 1:1000. FC: 1:50
Restrictions:	For Research Use only

Handling

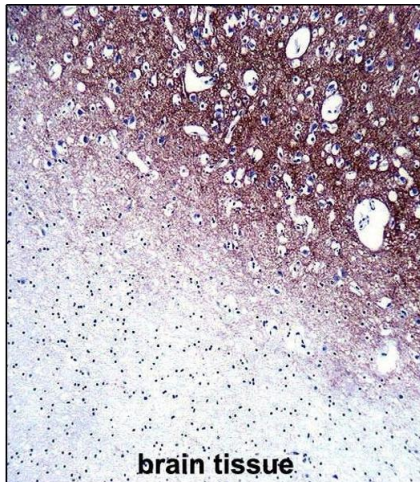
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Carrascal, Ovelheiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: Journal of proteome research , Vol. 7, Issue 12, pp. 5167-76, (2009) (PubMed).
	Koulich, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating proteins associated with mammalian 26S proteasome." in: Molecular biology of the cell , Vol. 19, Issue 3, pp. 1072-82, (2008) (PubMed).

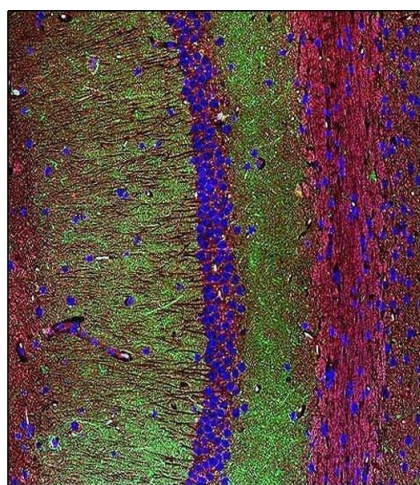
Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).

Images



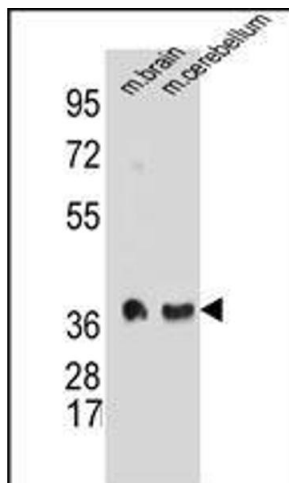
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. SYP Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SYP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of SYP Antibody (C-term) with mouse brain tissue followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclei (blue).



Western Blotting

Image 3. SYP Antibody (C-term) A western blot analysis in mouse brain and cerebellum tissue lysates (35 μ g/lane). This demonstrates the SYP antibody detected the SYP protein (arrow).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1881862.