Datasheet for ABIN306417

anti-VAMP2 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	VAMP2
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VAMP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Synaptobrevin2, Accession / GI number: NP_055047
Clone:	3-00E-05
Isotype:	Kappa
Purification:	The antibody was purified from mouse ascitic fluids by protein-G affinity chromatography

Target Details

Target:	VAMP2
Alternative Name:	Synaptobrevin 2 (VAMP2 Products)
Background:	Synaptobrevin 2(Vesicle-associated membrane, VAMP2), which is an 18 kDa integral membrane protein localized to the cytoplasmic surface of synaptic vesicle, consists of a proline-rich N-terminal region, a highly conserved hydrophilic domain, followed by a transmembrane anchor and a C-terminal tail. Synaptobrevin 2 is predominantly expressed in

Target Details

	Langerhans islets and glomerular cells. The N-terminal domain of the protein forms a specific SNARE complex with the target membrane-associated t- or Q-SNAREs syntaxin 1 and SNAP-25. This antibody recognizes specifically synaptobrevin 2, but it also shows a low affinity to synaptobrevin 1.
Pathways:	Peptide Hormone Metabolism, Synaptic Vesicle Exocytosis, Dicarboxylic Acid Transport

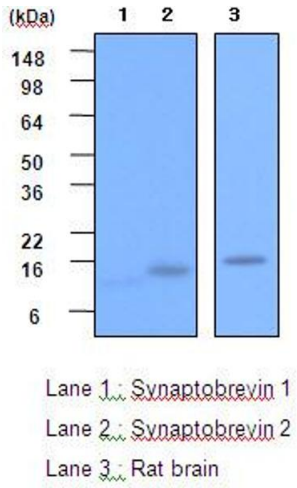
Application Details

Application Notes:	Recommended dilution 1:2000
Restrictions:	For Research Use only

Handling

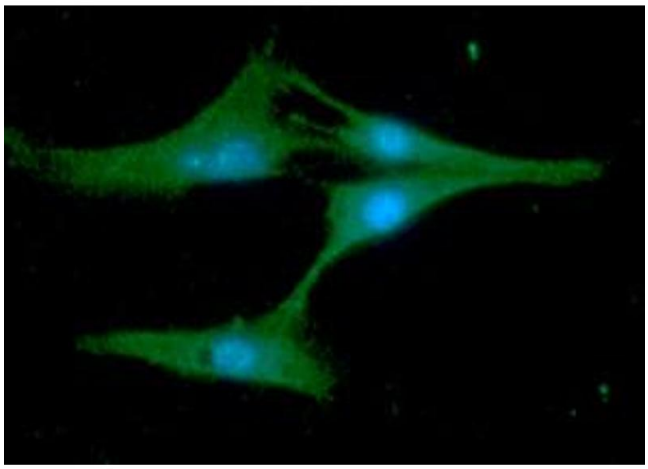
Format:	Liquid
Concentration:	1mg/ml
Buffer:	In Phosphate-Buffered Saline (pH7.4) with 0.1% Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Images



Western Blotting

Image 1. Western blot analysis: Lane 1 : Synaptobrevin 1 Lane 2 : Synaptobrevin 2 Lane 3 : Rat brain. The recombinant Synaptobrevin 1,2(each 20ng) and the extracts of Rat brain(20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with antihuman Synaptobrevin 2 (1:2,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Immunofluorescence

Image 2. ICC/IF analysis of Synaptobrevin2 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human Synaptobrevin2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).