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Datasheet for ABIN1387817

**anti-Calsyntenin 1 antibody (AA 501-600)**

## Overview

Quantity:	100 µL
Target:	Calsyntenin 1 (CLSTN1)
Binding Specificity:	AA 501-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Calsyntenin 1 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)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Calsyntenin 1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Pig,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	Calsyntenin 1 (CLSTN1)
Alternative Name:	CLSTN1/Calsyntenin 1 ( <a href="#">CLSTN1 Products</a> )

## Target Details

Background:	<p>Synonyms: Alc alpha, Alc-alpha, Alcadein alpha 1, Alcadein alpha, Alcadein-alpha, alcalpha1, alcalpha2, Alzheimer related cadherin like protein, Alzheimer-related cadherin-like protein, Calsyntenin-1, Calsyntenin1, CLSTN 1, Clstn1, CS1, CSTN1, CSTN1_HUMAN, CTF1-alpha, FLJ32258, KIAA0911, Non classical cadherin XB31alpha, Non-classical cadherin XB31alpha, PIK3CD, SAlc-alpha, XB31alpha.</p> <p>Background: Members of the calsyntenin protein family are localized to the post-synaptic membrane of excitatory central nervous system (CNS) synapses. Calsyntenin-1, also known as CSTN1, PIK3CD, Alzheimer-related cadherin-like protein, non-classical cadherin XB31alpha, KIAA0911, ALC-ALPHA, alcalpha1, alcalpha2 or FLJ32258, is a 981 amino acid single-pass type I membrane protein that localizes to the membrane of endoplasmic reticulum, Golgi apparatus, cell projections and postsynaptic cells. Expressed in brain, calsyntenin-1 is also found at lower levels in placenta, skeletal muscle, heart and kidney. Calsyntenin-1 binds synaptic Ca<sup>2+</sup> with its cytoplasmic domain and plays a role in extracellular proteolysis. Calsyntenin-1 is also known to form a complex with X11 Beta and APP to suppress the metabolic cleavage of APP, and docks vesicular cargo to KLC1. Calsyntenin-1 may be related to the development or progression of Alzheimer's disease, and two calsyntenin-1 isoforms are produced as a result of alternative splicing events.</p>
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## 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 ICC 1:100-500
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months