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Datasheet for ABIN1392493

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

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 conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), 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 (CLSTN1 Products)
Background:	Synonyms: Alc alpha, Alc-alpha, Alcadein alpha 1, Alcadein alpha, Alcadein-alpha, alcalpha1,

Target Details

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.

Background: Members of the calyntenin 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, calyntenin-1 is also found at lower levels in placenta, skeletal muscle, heart and kidney. Calsyntenin-1 binds synaptic Ca²⁺ 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 calyntenin-1 isoforms are produced as a result of alternative splicing events.

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months