Datasheet for ABIN7427612

anti-SCNN1G antibody (AA 80-401)

2 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	SCNN1G
Binding Specificity:	AA 80-401
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SCNN1G antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g)
Immunogen:	Recombinant Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g) corresdonding to Thr80~Thr401 with N-terminal His Tag
Clone:	C1
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against SCNN1g. It has been selected for its ability to recognize SCNN1g in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	SCNN1G
Alternative Name:	Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1G Products)
Background:	ENaCg, ENaCgamma, PHA1, SCNEG, Sodium Channel,Nonvoltage-Gated 1,Alpha, Epithelial Na(+) channel subunit gamma, Nonvoltage-gated sodium channel 1 subunit gamma

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

Publications

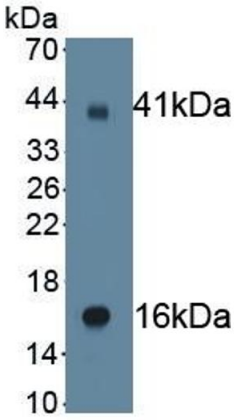
Product cited in:	Sudarikova, Bychkov, Kulbatskii, Chubinskiy-Nadezhdin, Shlepova, Shulepko, Koshelev, Kirpichnikov, Lyukmanova: "Mambalgin-2 Inhibits Lung Adenocarcinoma Growth and Migration by Selective Interaction With ASIC1/α-ENaC/γ-ENaC Heterotrimer." in: **Frontiers in oncology**,

Publications

Vol. 12, pp. 904742, (2022) (PubMed).

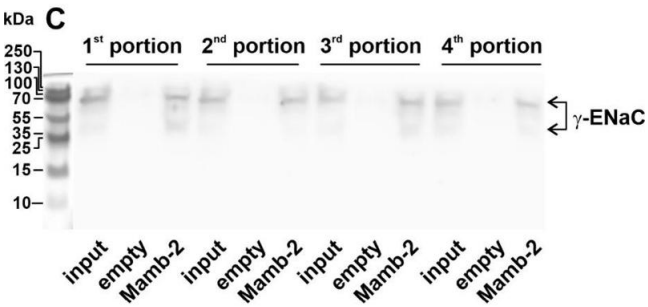
Bychkov, Kirichenko, Shulepko, Mikhaylova, Kirpichnikov, Lyukmanova: "Mambalgin-2 Inhibits Growth, Migration, and Invasion of Metastatic Melanoma Cells by Targeting the Channels Containing an ASIC1a Subunit Whose Up-Regulation Correlates with Poor Survival Prognosis." in: **Biomedicines**, Vol. 9, Issue 10, (2021) (PubMed).

Images



Western Blotting

Image 1. Detection of Recombinant SCNN1g, Human using Monoclonal Antibody to Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g)



Western Blotting

Image 2. Whole membranes used for the analysis of the molecular targets extracted by mambalgin-2 from membrane fraction of A549 cells. The membranes stained by specific antibodies to gamma-ENaC are shown. Source: PMID35837090