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Datasheet for ABIN6258948 anti-SGK3 antibody (C-Term)

Image



Overview

Quantity:	100 µL
Target:	SGK3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human SGK3, corresponding to a region within C-terminal amino acids.
Isotype:	lgG
Specificity:	SGK3 Antibody detects endogenous levels of total SGK3.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:

SGK3

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Target Details	
Alternative Name:	SGK3 (SGK3 Products)
Background:	Description: Serine/threonine-protein kinase which is involved in the regulation of a wide variety
	of ion channels, membrane transporters, cell growth, proliferation, survival and migration. Up-
	regulates Na+ channels: SCNN1A/ENAC and SCN5A, K+ channels: KCNA3/KV1.3, KCNE1,
	KCNQ1 and KCNH2/HERG, epithelial Ca2+ channels: TRPV5 and TRPV6, chloride channel:
	BSND, creatine transporter: SLC6A8, Na+/dicarboxylate cotransporter: SLC13A2/NADC1, Na+-
	dependent phosphate cotransporter: SLC34A2/NAPI-2B, amino acid transporters:
	SLC1A5/ASCT2 and SLC6A19, glutamate transporters: SLC1A3/EAAT1, SLC1A6/EAAT4 and
	SLC1A7/EAAT5, glutamate receptors: GRIA1/GLUR1 and GRIK2/GLUR6, Na+/H+ exchanger:
	SLC9A3/NHE3, and the Na+/K+ ATPase. Plays a role in the regulation of renal tubular
	phosphate transport and bone density. Phosphorylates NEDD4L and GSK3B. Positively
	regulates ER transcription activity through phosphorylation of FLII. Negatively regulates the
	function of ITCH/AIP4 via its phosphorylation and thereby prevents CXCR4 from being
	efficiently sorted to lysosomes.
	Gene: SGK3
Molecular Weight:	57 kDa
Gene ID:	100533105, 23678
UniProt:	Q96BR1
Application Details	
Application Notes:	WB 1:500-1:2000, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 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.

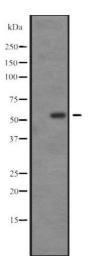
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Handling

 Storage:
 -20 °C

 Expiry Date:
 12 months

Images



Western Blotting

Image 1. Western blot analysis of SGK3 expression in U-87 MG whole cell lysate ,The lane on the left is treated with the antigen-specific peptide.

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