Datasheet for ABIN1387590

anti-SGK3 antibody (AA 40-90)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	SGK3
Binding Specificity:	AA 40-90
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SGK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SGK3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SGK3
Alternative Name:	SGK3 (SGK3 Products)
Background:	Synonyms: CISK, SGK2, SGKL, Serine/threonine-protein kinase Sgk3, Cytokine-independent

Target Details

	survival kinase, Serum/glucocorticoid-regulated kinase 3, Serum/glucocorticoid-regulated kinase-like, SGK3 Background: 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 Ca(2+) 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 ID:	23678
UniProt:	Q96BR1

Application Details

Application Notes:	WB 1:100-1000 IHC-P 1:100-500 IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

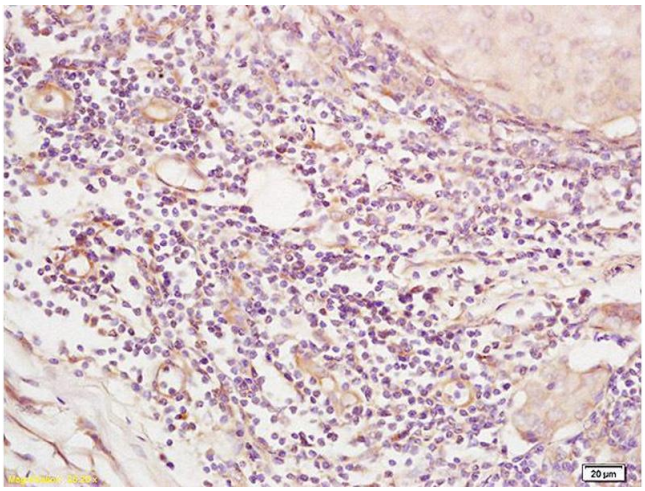
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % 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

Handling

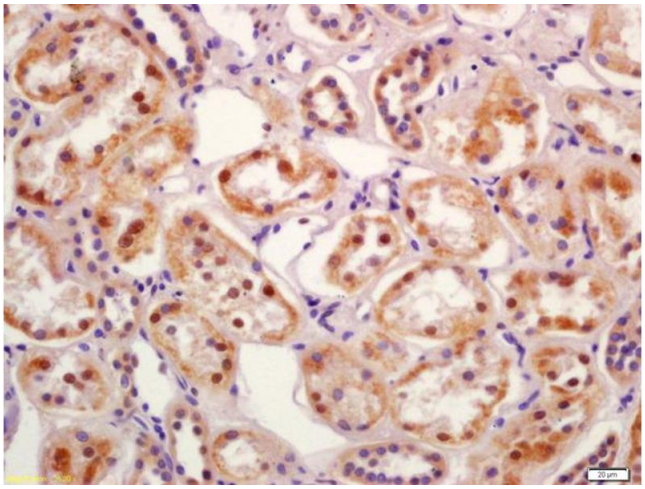
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

Images



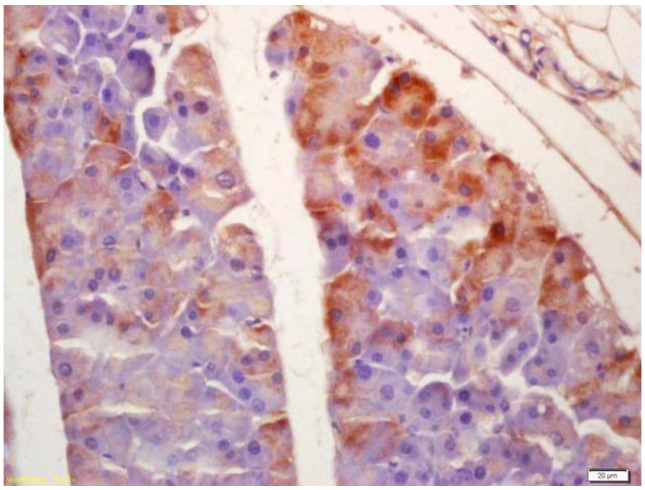
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human breast carcinoma tissue labeled with Anti SGK3 Polyclonal Antibody,Unconjugated (ABIN1387590) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human kidney labeled with Anti-SGK3 Polyclonal Antibody, Unconjugated (ABIN1387590) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded mouse pancreas labeled with Anti-SGK3 Polyclonal Antibody, Unconjugated (ABIN1387590) at 1:200 followed by conjugation to the secondary antibody and DAB staining