Immunotag™ Phospho-SGK3 (Thr320) Antibody

Antibody Specification

Catalog No.	ITA0730
Product Description	Immunotag™ Phospho-SGK3 (Thr320) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-SGK3 (Thr320)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SGK3 around the phosphorylation site of Thr320.
Specificity	Phospho-SGK3 (Thr320) Antibody detects endogenous levels of SGK3.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	SGK3
Accession No.	Q96BR1

Antibody Specification

Alternate Names	CISK; Cytokine independent survival kinase; DKFZp781N0293; Serine/threonine protein kinase Sgk3; Serine/threonine-protein kinase Sgk3; Serum/glucocorticoid regulated kinase 3; Serum/glucocorticoid regulated kinase family member 3; Serum/glucocorticoid regulated kinase like; Serum/glucocorticoid-regulated kinase 3; Serum/glucocorticoid-regulated kinase-like; SGK 2; SGK 3; SGK2; Sgk3; SGK3_HUMAN; SGKL;
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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	57kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.

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