

Datasheet: MCA5480Z

BATCH NUMBER 147082

Description:	MOUSE ANTI HUMAN SGK3:Preservative Free
Specificity:	SGK3
Other names:	SGKL
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2A7
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 1 - 130 of human SGK3

**External Database
Links**

UniProt:

[Q96BR1](#) [Related reagents](#)

Entrez Gene:

[100533105](#) C8orf44-SGK3 [Related reagents](#)

Synonyms

SGK2, SGKL

RRID

AB_2239231

Fusion Partners

Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.

Specificity

Mouse anti Human SGK3 antibody, clone 2A7 recognizes human Serine/threonine-protein kinase Sgk3 also known as Cytokine-independent survival kinase, Serum/glucocorticoid-regulated kinase 3 or SGK3. Serine/threonine-protein kinase Sgk3 is a 496 amino acid endosomal protein involved in regulation of multiple ion channels, membrane transporters and cell growth, proliferation, survival and migration. SGK3 contains single [AGC-kinase, C-terminal](#); [protein kinase](#); and [PX \(phox homology\)](#) domains.

References

1. Wang, Y. *et al.* (2011) SGK3 Is an Estrogen-Inducible Kinase Promoting Estrogen-Mediated Survival of Breast Cancer Cells. [Mol Endocrinol. 25: 72-82](#)
2. Wang, Y. *et al.* (2014) Coordinated regulation of serum- and glucocorticoid-inducible kinase 3 by a C-terminal hydrophobic motif and Hsp90-Cdc37 chaperone complex. [J Biol Chem. 289 \(8\): 4815-26.](#)
3. Wang, Y. *et al.* (2014) SGK3 is an androgen-inducible kinase promoting prostate cancer cell proliferation through activation of p70 S6 kinase and up-regulation of cyclin D1. [Mol Endocrinol. me20131339.](#)
4. Vasudevan, K.M. *et al.* (2009) AKT-independent signaling downstream of oncogenic PIK3CA mutations in human cancer. [Cancer Cell. 16 \(1\): 21-32.](#)

Storage

Store at -20°C only.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA5480Z>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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