

Datasheet: AHP1353

Description:	RABBIT ANTI HUMAN SGK3 (C-TERMINAL)
Specificity:	SGK3 (C-TERMINAL)
Other names:	SGKL
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			5ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Functional Assays			▪	

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.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Does not react with:Rat Based on sequence similarity, is expected to react with:Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human SGK3 (CT) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 0.5 mg/ml

Concentrations

Immunogen Synthetic peptide corresponding to the C-terminal domain of human SGK3, conjugated to Keyhole Limpet Hemocyanin (KLH).

External Database Links

UniProt:

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

Entrez Gene:

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

Synonyms SGK2, SGKL

Specificity **Rabbit anti Human SGK3 antibody** detects Serum and glucocorticoid-regulated kinase 3 (SGK3), also known as cytokine-independent survival kinase (CISK). SGK3 is a member of the serine/threonine protein kinase family and encodes a phosphoprotein with a PX (phox homology) domain that targets the protein to endosomes.

SGK3 is activated by the phosphatidylinositol 3'-kinase (PI3K) pathway, and plays a critical role in the hair cycle, functioning to negatively regulate PI3K signalling in hair follicle development and homeostasis.

SGK3 also has a role in neutral amino acid transport and activation of potassium and chloride channels.

Histology Positive Control Tissue

Kidney

References

1. Alonso, L. *et al.* (2005) Sgk3 links growth factor signaling to maintenance of progenitor cells in the hair follicle. [J. Cell. Biol. 170: 559-570.](#)

Storage

Store at +4°C or at -20°C if preferred.

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.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10040 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight@488](#), [DyLight@549](#), [DyLight@649](#),
[DyLight@680](#), [DyLight@800](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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