

Datasheet: MCA3430Z

Description:	MOUSE ANTI HUMAN p70S6K:Preservative Free
Specificity:	p70S6K
Other names:	RPS6KB1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	1E12
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 (1)	▪			0.1 - 10 ug/ml
Western Blotting	▪			
Immunofluorescence	▪			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.

(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
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml

Immunogen	Recombinant protein corresponding to aa 416 - 526 of human p70S6K encoded by gene RPS6KB1.
External Database Links	UniProt: P23443 Related reagents Entrez Gene: 6198 RPS6KB1 Related reagents
Synonyms	STK14A
RRID	AB_2182100
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	Mouse anti Human p70S6K antibody, clone 1E12 recognizes human p70S6K, also known as Ribosomal protein S6 kinase beta-1, 70 kDa ribosomal protein S6 kinase 1, Ribosomal protein S6 kinase I, Serine/threonine-protein kinase 14A or p70 ribosomal S6 kinase alpha. p70S6K is a 525 amino acid ~70 kDa Serine/threonine-protein kinase acting to promote cell division and survival through inhibition of pro-apoptotic activity of (BAD).
References	1. Bodnar, L. <i>et al.</i> (2015) Clinical usefulness of PI3K/Akt/mTOR genotyping in companion with other clinical variables in metastatic renal cell carcinoma patients treated with everolimus in the second and subsequent lines. Ann Oncol. 26 (7): 1385-9.
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: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Goat Anti Mouse IgG (STAR76...)

[RPE](#)

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 (STAR13...)

[HRP](#)

Goat Anti Mouse IgG (Fc) (STAR120...)

[FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:Preservative Free \(MCA691XZ\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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