

Datasheet: VMA00281

BATCH NUMBER 151112

Description:	MOUSE ANTI STK39
Specificity:	STK39
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2E10
Isotype:	IgG1
Quantity:	100 µl

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
Western Blotting	■			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide (NaN ₃)

Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full-length protein expressed in 293T cell transfected with human STK39 expression vector
External Database Links	UniProt: Q9UEW8 Related reagents Entrez Gene: 27347 STK39 Related reagents
Synonyms	SPAK
Specificity	Mouse anti Human STK39 antibody, clone OTI2E10 recognizes the STE20/SPS1-related proline-alanine-rich protein kinase, also known as STE20/SPS1 homolog, STE20/SPS1-related proline-alanine-rich protein kinase, Ste20-like protein kinase, proline-alanine-rich STE20-related kinase, serine threonine kinase 39 (STE20/SPS1 homolog, yeast), serine/threonine-protein kinase 39, small intestine SPAK-like kinase and ste-20-related kinase. Encoded by the STK39 gene, STE20/SPS1-related proline-alanine-rich protein kinase is a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress (provided by RefSeq, Jul 2008). Mouse anti Human STK39 antibody, clone OTI2E10 detects a band of 65 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti STK39 detects a band of approximately 65 kDa in HEK293 cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10048 available at: https://www.bio-rad-antibodies.com/SDS/VMA00281 Antibody (10048)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [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

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

'M370055:200529'

Printed on 13 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)