Datasheet: VMA00258

Description:	MOUSE ANTI CASEIN KINASE 1 EPSILON
Specificity:	CASEIN KINASE 1 EPSILON
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI5C9
Isotype:	IgG2a
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

PrecisionAb antibodies have been extensively validated for the western blot application. The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)
1% Bovine Serum Albumin
50% Glycerol

Immunogen

Recombinant protein corresponding to amino acids 153-416 of human casein kinase 1 epsilon (NP_689407) produced in *E. coli*

External Database Links

UniProt:
P49674 Related reagents

Entrez Gene:

1454 CSNK1E Related reagents

Specificity	**Mouse anti Human casein kinase 1 epsilon antibody** recognizes the casein kinase I isoform epsilon, also known as CKI-epsilon, CKIe and casein kinase I isoform epsilon. Encoded by the CSNK1E gene, casein kinase 1 epsilon is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Two transcript variants encoding the same protein have been found for CSNK1E (provided by RefSeq, Jul 2008). Mouse anti Human casein kinase I isoform epsilon antibody detects a band of 43 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti casein kinase 1 epsilon detects a band of approximately 43 kDa in HEK293 cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol. For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

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