

Datasheet: VPA00638KT

Description:	CK1 ANTIBODY WITH CONTROL LYSATE
Specificity:	CK1
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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
Product Form	Purified IgG - liquid
Preparation	20µl Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	2% Sucrose
Immunogen	Synthetic peptide encompassing part of the C terminal region of human CK1

External Database Links

UniProt:

[P48729](#) [Related reagents](#)

Entrez Gene:

[1452](#) CSNK1A1 [Related reagents](#)

Specificity

Rabbit anti Human CK1 antibody recognizes casein kinase I isoform alpha, also known as CK1, CKI-alpha, casein kinase I isoform alpha, clock regulator kinase, down-regulated in lung cancer or epididymis secretory sperm binding protein Li 77p.

Casein kinases, such as CK1, are operationally defined by their preferential utilization of acidic

proteins such as caseins as substrates. Encoded by the CSNK1A1 gene, CK1 can phosphorylate a variety of proteins, such as TUT1 and CTNNB1; it also participates in Wnt signaling. Interacts with the Axin complex.

Rabbit anti Human CK1 antibody detects a band of 34 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Rabbit anti CK1 detects a band of approximately 34 kDa in Jurkat 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.

Lysate Composition 400µg Jurkat lysate lyophilized in RIPA buffer.

Lysate Reconstitution - If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.
Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

Storage Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

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 #10045 #10561 available at:
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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