

Datasheet: VMA00132KT

Description:	p130Cas ANTIBODY WITH CONTROL LYSATE
Specificity:	p130Cas
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI3A11
Isotype:	IgG1
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

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

20µl Mouse monoclonal antibody purified by affinity chromatography from ascites.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
1% Bovine Serum Albumin

50% Glycerol

Immunogen	Full length recombinant protein of human p130Cas (NP_055382) produced in HEK293T cells
------------------	----------------------------------------------------------------------------------------

External Database Links	UniProt: P56945 Related reagents
	Entrez Gene: 9564 BCAR1 Related reagents

Synonyms	CAS, CASS1, CRKAS
-----------------	-------------------

Specificity	<p>Mouse anti Human p130Cas antibody recognizes p130Cas, also known as Cas scaffolding protein family member 1, Crk-associated substrate p130Cas and breast cancer anti-estrogen resistance protein 1.</p> <p>p130Cas, encode by the BCAR1 gene, is an Src family kinase substrate involved in various cellular events, including migration, survival, transformation, and invasion (Sawada et al. 2006).</p> <p>Mouse anti Human p130Cas antibody detects a band of 130 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
--------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Western Blotting	Anti p130Cas detects a band of approximately 130 kDa in MCF7 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 MCF7 lysate lyophilized in RIPA buffer.
---------------------------	-----------------------------------------------

Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>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.</p>
------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

Guarantee	As supplied, 12 months from date of despatch.
------------------	-----------------------------------------------

Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
-------------------------	------------------------------------------------------

Health And Safety	Material Safety Datasheet documentation #10048 #10561 available at:
--------------------------	---------------------------------------------------------------------

Information Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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 Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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

From March 15, 2021, we will no longer supply printed datasheets with our products.
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

'M351299:190318'

Printed on 10 Feb 2021

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)