

Datasheet: VMA00133KT

Description:	PROFILIN-1 ANTIBODY WITH CONTROL LYSATE
Specificity:	PROFILIN-1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT11D5
Isotype:	IgG2a
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 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 recombinant human profilin-1 (NP_005013) produced in HEK293T cells
External Database Links	<p>UniProt: P07737 Related reagents</p> <p>Entrez Gene: 5216 PFN1 Related reagents</p>
Specificity	Mouse anti Human profilin-1 antibody recognizes profilin-1, also known as epididymis tissue protein Li 184a.

Profilin-1 is a member of the profilin family of small actin-binding proteins and plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of the PFN1 gene is associated with Miller-Dieker syndrome, and the encoded protein may also play a role in Huntington disease. Multiple pseudogenes of PFN1 are located on chromosome 1 (provided by RefSeq, Jul 2012).

Mouse anti Human profilin-1 antibody detects a band of 15 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti profilin-1 detects a band of approximately 15 kDa in K562 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 K562 lysate lyophilized in RIPA buffer.
---------------------------	-----------------------------------------------

Lysate Reconstitution	- If using DDT reconstitute the lyophilized lysate with 190µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H ₂ O, 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.
----------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Guarantee	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 #10561 available at: 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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

North & South America Tel: +1 800 265 7376
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

'M338105:181217'

