

Datasheet: VMA00557KT

Description:	FSCN1 ANTIBODY WITH CONTROL LYSATE
Specificity:	FSCN1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	CPTC29
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 on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant protein of human FSCN1
External Database Links	<p>UniProt: Q16658 Related reagents</p> <p>Entrez Gene: 6624 FSCN1 Related reagents</p>
Synonyms	FAN1, HSN, SNL

Specificity	<p>Mouse anti Human FSCN1 antibody recognizes Fascin, also known as 55 kDa actin-bundling protein, fascin homolog 1, actin-bundling protein, singed-like (fascin homolog, sea urchin).</p> <p>The FSCN1 gene encodes a member of the fascin family of actin-binding proteins. Fascin proteins organize F-actin into parallel bundles, and are required for the formation of actin-based cellular protrusions. The encoded protein plays a critical role in cell migration, motility, adhesion and cellular interactions. Expression of FSCN1 is known to be regulated by several microRNAs, and overexpression of FSCN1 may play a role in the metastasis of multiple types of cancer by increasing cell motility. Expression of FSCN1 is also a marker for Reed-Sternberg cells in Hodgkin's lymphoma. A pseudogene of FSCN1 is located on the long arm of chromosome 15 (provided by RefSeq, Sep 2011).</p> <p>Mouse anti Human FSCN1 antibody detects a band of 55 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<hr/> Western Blotting	Anti FSCN1 detects a band of approximately 55 kDa in K562 cell lysates
<hr/> 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.
<hr/> Lysate Composition	400µg K562 lysate lyophilized in RIPA buffer
<hr/> 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>
<hr/> 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>
<hr/> Shelf Life	As supplied, 12 months from date of despatch.
<hr/> Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
<hr/> Health And Safety Information	<p>Material Safety Datasheet documentation #10040 #10561 available at:</p> <p>Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p> <p>Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf</p>
<hr/> 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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