

Datasheet: VPA00029KT

Description:	EZRIN ANTIBODY WITH CONTROL LYSATE
Specificity:	EZRIN
Other names:	Villin 2
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 Goat polyclonal antibody purified by ammonium sulfate precipitation followed by antigen affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Immunogen	Peptide sequence C-QDYEEKTKKAER from an internal region of ezrin
External Database Links	UniProt:

Entrez Gene:

Synonyms	VIL2
-----------------	------

Specificity	<p>Goat anti Human ezrin antibody recognizes human ezrin, otherwise known as p81 or villin 2. Ezrin is a 586 amino acid, cytoplasmic peripheral membrane protein containing a single FERM domain and member of the ezrin, radixin, moesin (ERM) protein family, which acts as protein-tyrosine kinase substrate.</p> <p>Ezrin is enriched in microvilli and other cell surface structures and plays a key role in cell surface structure adhesion, membrane trafficking, motility and organization (Ng et al. 2001). Ezrin acts as a linker protein between the plasma membrane and the actin cytoskeleton, and provides anchorage for cell surface molecules such as ICAM and CD44 (Finnerty et al. 2004). Studies have implicated ezrin in the metastatic capacity of various types of human tumors including breast, prostate, bone, endometrial and colon cancers (Ohtani et al. 1999, Elzaqheid et al. 2008).</p> <p>Goat anti Human ezrin antibody recognizes human ezrin as a single band of ~80 kDa in multiple human cell line lysates by western blotting under reducing conditions.</p>
--------------------	---

Western Blotting	Anti ezrin antibody detects a band of approximately 80 kDa in HeLa 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 HeLa 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 Information	Material Safety Datasheet documentation #10058 #10561 available at: Antibody (10058): https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf
--------------------------------------	--

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [HRP](#)

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)

'M351877:190318'

Printed on 09 Feb 2021