

Datasheet: VPA00029

BATCH NUMBER 090714

Description:	GOAT ANTI EZRIN
Specificity:	EZRIN
Other names:	Villin 2
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	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:

[P15311](#) [Related reagents](#)

Entrez Gene:

[7430](#) EZR [Related reagents](#)

Synonyms

VIL2

Specificity

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.

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](#)). Ezrin is implicated 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](#)).

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.

Western Blotting

Anti ezrin antibody detects a band of approximately 80 kDa in HeLa cell lysates.

Storage

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

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
<https://www.bio-rad-antibodies.com/SDS/VPA00029>
Antibody (10058)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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