

Datasheet: AHP1394

**BATCH NUMBER 161028**

<b>Description:</b>	GOAT ANTI HUMAN EZRIN
<b>Specificity:</b>	EZRIN
<b>Other names:</b>	VILLIN 2
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/16,000
Immunoprecipitation			▪	
Western Blotting	▪			1.0 - 3.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Dog  
**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

### Antiserum Preparation

Antiserum to human ezrin was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative</b>	0.02% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml
<b>Immunogen</b>	Peptide sequence C-QDYEEKTKKAER from the internal region of ezrin (NP_003370.2).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P15311</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7430</a>   EZR   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	VIL2
<b>RRID</b>	AB_2293649
<b>Specificity</b>	<p><b>Goat anti Human Ezrin antibody</b> recognizes human ezrin, otherwise known as p81 or villin 2, Ezrin is a 586 amino acid ~80kDa cytoplasmic peripheral membrane protein containing a single <a href="#">FERM</a> 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 (<a href="#">Ng et al. 2001</a>). 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 (<a href="#">Finnerty et al. 2004</a>). Studies have implicated ezrin in the metastatic capacity of various types of human tumours including breast, prostate, bone, endometrial and colon cancers (<a href="#">Ohtani et al. 1999</a>, <a href="#">Elzaqheid et al. 2008</a>).</p>
<b>Western Blotting</b>	AHP1394 detects a band of approximately 80kDa in human placenta and duodenum cell lysates.
<b>Further Reading</b>	1. Tsukita, S. & Yonemura, S. (1997) ERM (ezrin/radixin/moesin) family: from cytoskeleton to signal transduction. <a href="#">Curr Opin Cell Biol. 9 (1): 70-5.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety</b>	Material Safety Datasheet documentation #10058 available at:

**Information** <https://www.bio-rad-antibodies.com/SDS/AHP139410058>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

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Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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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