Datasheet: AHP1394

BATCH NUMBER 161028

Description:	GOAT ANTI HUMAN EZRIN
Specificity:	EZRIN
Other names:	VILLIN 2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN_3) 0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Peptide sequence C-QDYEEKTKKAER from the internal region of ezrin (NP_003370.2).
External Database Links	**UniProt:** P15311 Related reagents **Entrez Gene:** 7430 EZR Related reagents
Synonyms	VIL2
RRID	AB_2293649
Specificity	**Goat anti Human Ezrin antibody** recognizes human ezrin, otherwise known as p81 or villin 2, Ezrin is a 586 amino acid ~80kDa 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). Studies have implicated ezrin in the metastatic capacity of various types of human tumours including breast, prostate, bone, endometrial and colon cancers (Ohtani *et al.* 1999, Elzagheid *et al.* 2008).
Western Blotting	AHP1394 detects a band of approximately 80kDa in human placenta and duodenum cell lysates.
Further Reading	1. Tsukita, S. & Yonemura, S. (1997) ERM (ezrin/radixin/moesin) family: from cytoskeleton to signal transduction. Curr Opin Cell Biol. 9 (1): 70-5.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Guarantee	12 months from date of despatch
Health And Safety	Material Safety Datasheet documentation #10058 available at:

Information	https://www.bio-rad-antibodies.com/SDS/AHP1394 10058
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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

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