

Datasheet: VPA00847

BATCH NUMBER 170824

| | |
|----------------------|------------------------|
| Description: | RABBIT ANTI PLECTIN |
| Specificity: | PLECTIN |
| 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 | Rabbit polyclonal antibody purified by affinity chromatography on immunogen |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide <50% Glycerol |
| Immunogen | Recombinant protien of human plectin |
| External Database Links | UniProt: Q15149 Related reagents |

Entrez Gene:[5339](#) PLEC [Related reagents](#)**Synonyms**

PLEC1

Specificity

Rabbit anti Human plectin antibody recognizes plectin, also known as hemidesmosomal protein 1, plectin 1, PCN and intermediate filament binding protein 500 kDa.

Plectin is a prominent member of an important family of structurally termed plakins or cytolinkers that are capable of interlinking different elements of the cytoskeleton. Plakins, with their multi-domain structure and enormous size, not only play crucial roles in maintaining cell and tissue integrity and orchestrating dynamic changes in cytoarchitecture and cell shape, but also serve as scaffolding platforms for the assembly, positioning, and regulation of signaling complexes. Plectin is expressed as several protein isoforms in a wide range of cell types and tissues from a single gene located on chromosome 8 in humans. Expression of specific plectin isoforms were found to be dependent on cell type and stage of development. A number of groups reported that patients suffering from epidermolysis bullosa simplex with muscular dystrophy (EBS-MD) lacked plectin expression in skin and muscle tissues due to defects in the plectin gene . Two other subtypes of plectin-related EBS have been described: EBS-pyloric atresia (PA) and EBS-Ogna (provided by RefSeq, Aug 2011).

Rabbit anti Human plectin antibody detect bands of 300-500 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti plectin antibody recognizes a band of approximately 300-500 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 #10049 available at:
<https://www.bio-rad-antibodies.com/SDS/VPA00847>
10049

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [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

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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

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