

A19743

Leader in Biomolecular Solutions for Life Science



# Plectin Rabbit mAb

Catalog No.: A19743

Recombinant

## Basic Information

### Observed MW

### Calculated MW

532kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

IHC-P,ELISA

### Cross-Reactivity

Human,Rat

### CloneNo number

ARC2270

## Background

Plectin is a large, widely expressed protein that crosslinks the intermediate filament and actin cytoskeleton, mechanically stabilizing cells and tissues. Plectin also plays a role in the regulation of actin dynamics and acts as a scaffold for signaling molecules. Plectin is important in the stabilization of hemidesmosomes, crosslinking them to the intermediate filament network. Research studies have shown that mutations in plectin and other genes coding for hemidesmosomal proteins can cause epidermolysis bullosa, a condition manifested by fragile skin and frequent blistering . Plectin modulates signals to PKC through binding and sequestration of RACK1, the receptor for activated C kinase 1 . Plectin is also involved in the regulation of cytokeratin architecture and cell stress response , signaling through the chemokine receptor CXCR4 and regulation of AMP-activated protein kinase (AMPK) activity and signaling in mouse myotubes .

## Recommended Dilutions

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5339

### Swiss Prot

Q15149

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 4401-4609 of human Plectin (NP\_958782.1).

### Synonyms

HD1; PCN; EBS1; EBSO; PLTN; EBS5A; EBS5B; EBS5C; EBS5D; EBSMD; EBSND; EBSOG; EBSPA; PLEC1; LGMD2Q; PLEC1b; LGMDR17; Plectin

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

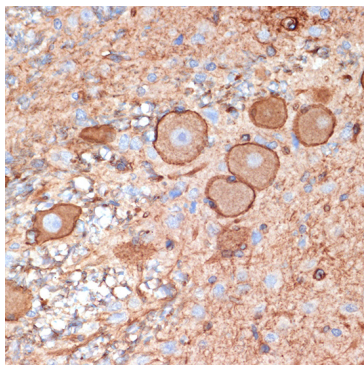
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

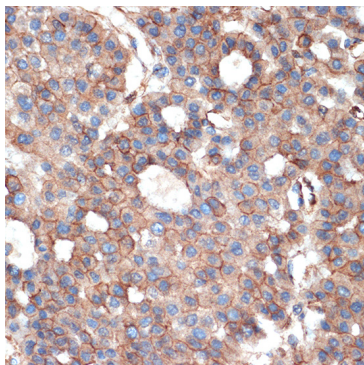
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Rat brain using Plectin Rabbit mAb (A19743) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using Plectin Rabbit mAb (A19743) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.