

A19743

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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



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Product Information

Source

Rabbit

Isotype

IgG

Purification

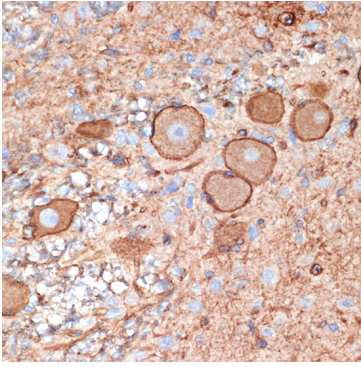
Affinity purification

Storage

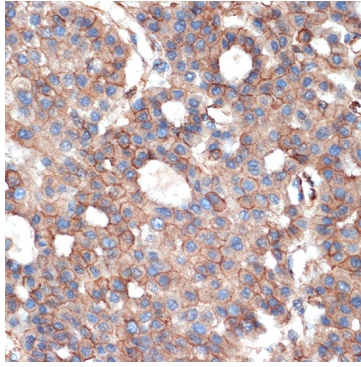
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



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.