

A23479

Leader in Biomolecular Solutions for Life Science



Plectin Rabbit mAb

Catalog No.: A23479

Recombinant

Basic Information

Observed MW

Refer to figures

Calculated MW

532kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

IHC-P,ELISA

Cross-Reactivity

Human,Mouse,Rat

CloneNo number

ARC53240

Recommended Dilutions

IHC-P 1:100 - 1:1000

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

Contact



www.abclonal.com

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 .

Immunogen Information

Gene ID

5339

Swiss Prot

Q15149

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

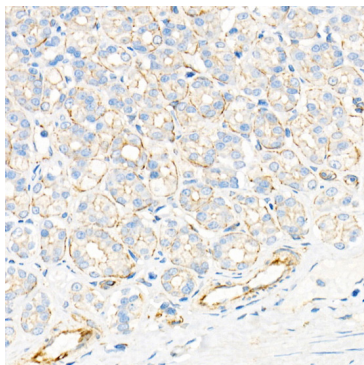
Affinity purification

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 stomach using Plectin Rabbit mAb (A23479) at dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.