

Basic Information

Product Name	Anti-Plectin/PLEC Antibody (Clone#AFE-16)
Gene Name	PLEC
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Plectin
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	532 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200 ImmunoPrecipitation (IP): 1:30

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Plectin, known as PLEC, is a prominent member of an important family of structurally and in part functionally related proteins, 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. The plectin gene locus in mouse on chromosome 15 has been analyzed in detail, revealing a genomic exon-intron organization with well over 40 exons spanning over 62 kb and an unusual 5' transcript complexity of plectin isoforms. Eleven exons (1-1j) have been identified that alternatively splice directly into a common exon 2 which is the first exon to encode plectin's highly

Product datasheet

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Catalog Number: **BM4018**

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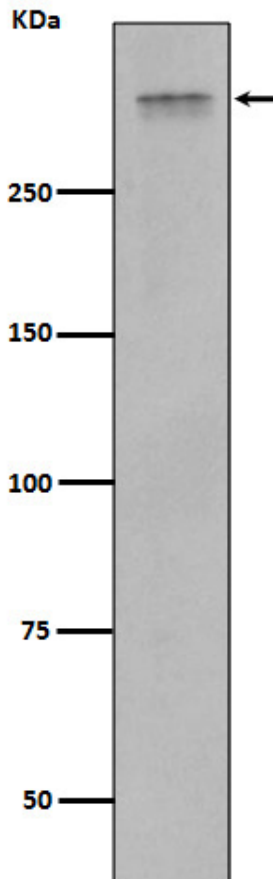
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Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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conserved actin binding domain (ABD).

Selected Validation Data



Western blot analysis of Plectin expression in Jurkat cell lysate.