

Anti-Plectin Rabbit Monoclonal Antibody

Catalog # ABO13883

Product Information

Application	WB, IHC, IP
Primary Accession	Q15149
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Plectin Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	5339
Other Names	Plectin, PCN, PLTN, Hemidesmosomal protein 1, HD1, Plectin-1, PLEC, PLEC1
Calculated MW	531791
Application Details	WB 1:1000-1:2000 IHC 1:50-1:100 IP 1:30
Subcellular Localization	Cytoplasm, cytoskeleton. Cell junction, hemidesmosome.
Tissue Specificity	Widely expressed with highest levels in muscle, heart, placenta and spinal cord.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AFE-16
Immunogen	A synthesized peptide derived from human Plectin
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	PLEC
-------------	------

Synonyms

PLEC1

Function

Interlinks intermediate filaments with microtubules and microfilaments and anchors intermediate filaments to desmosomes or hemidesmosomes. Could also bind muscle proteins such as actin to membrane complexes in muscle. May be involved not only in the filaments network, but also in the regulation of their dynamics. Structural component of muscle. Isoform 9 plays a major role in the maintenance of myofiber integrity.

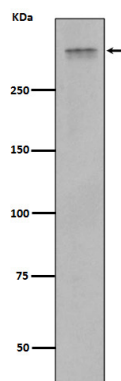
Cellular Location

Cytoplasm, cytoskeleton. Cell junction, hemidesmosome. Cell projection, podosome {ECO:0000250|UniProtKB:Q9QXS1}. Note=Localized to the cortex of myotube podosomes. {ECO:0000250|UniProtKB:Q9QXS1}

Tissue Location

Widely expressed with highest levels in muscle, heart, placenta and spinal cord

Images



Western blot analysis of Plectin expression in Jurkat cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.