

Anti-PLEC antibody



Description	Unconjugated Rabbit polyclonal to PLEC
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Model	STJ191170
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IHC
Immunogen	Synthesized peptide derived from human PLEC protein.
Immunogen Region	240-320aa
Gene ID	5339
Gene Symbol	PLEC
Dilution range	IHC-p 1:50-300
Specificity	PLEC Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Widely expressed with highest levels in muscle, heart, placenta and spinal cord.
Purification	PLEC antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Plectin PCN PLTN Hemidesmosomal protein 1 HD1 Plectin-1
Molecular Weight	515 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9069 OMIM:131950
Alternative Names	Plectin PCN PLTN Hemidesmosomal protein 1 HD1 Plectin-1
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.
Sequence and Domain Family	The N-terminus interacts with actin, the C-terminus with vimentin, desmin, GFAP, cytokeratins, lamin B; whereas both the N- and the C-terminus can bind integrin beta-4.
Cellular Localization	Cytoplasm, cytoskeleton Cell junction, hemidesmosome
Post-translational Modifications	Phosphorylated by CDK1; regulates dissociation from intermediate filaments during mitosis.

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