

## Anti-PLEC antibody

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

<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="#">HGNC:9069OMIM:131950</a>
<b>Alternative Names</b>	Plectin PCN PLTN Hemidesmosomal protein 1 HD1 Plectin-1
<b>Function</b>	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.
<b>Sequence and Domain Family</b>	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.
<b>Cellular Localization</b>	Cytoplasm, cytoskeleton Cell junction, hemidesmosome
<b>Post-translational Modifications</b>	Phosphorylated by CDK1; regulates dissociation from intermediate filaments during mitosis.