



Anti-PLEC (aa 4367-4684) polyclonal antibody (DPAB2381GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Plectin
Antigen Description	Plectin 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 crosslinking and stabilization of cytoskeletal intermediate filaments network, but also in the regulation of their dynamics.
Specificity	Calculated MW 532,000 protein plectin, localizing to plasma membrane attachment sites of intermediate filaments and microfilaments (actin) such as desmosomes and hemidesmosomes, Z-line structures and dense plaques of striated and smooth muscle. Strong pos
Immunogen	C-terminal "C" domain of human recomb. Plectin (aa 4367 - 4684)
Source/Host	Guinea pig
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IB, IF, IEM, IHC-Fr, IHC (PFA fixed)
Format	Stabilized antiserum
Size	100 µl
Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/ thaw cycles

GENE INFORMATION

Gene Name	PLEC plectin [Homo sapiens]
Official Symbol	PLEC
Synonyms	PLEC1, Plectin-1, Hemidesmosomal protein 1; plectin; PLTN; PCN; PLEC1; plectin 1, intermediate filament binding protein 500kDa; Hemidesmosomal protein 1; HD1; EBS1; epidermolysis bullosa simplex 1 (Ogna); plectin 1, intermediate filament binding protein, 500kD; plectin-1; EBSO; PLEC1b; LGMD2Q;OTTHUMP00000229282; OTTHUMP00000229283; OTTHUMP00000229284; OTTHUMP00000229285; OTTHUMP00000229286; OTTHUMP00000229287; OTTHUMP00000229288
Entrez Gene ID	5339
Protein Refseq	NP_000436
UniProt ID	Q15149
Chromosome Location	8q24
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Apoptosis; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Caspase-mediated cleavage of cytoskeletal proteins; Cell junction organization; EGFR1 Signaling Pathway; Type I hemidesmosome assembly
Function	actin binding; protein binding; structural constituent of muscle