



Anti-ITGA8 (aa 836-935) polyclonal antibody (DPAB-DC3527)

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

PRODUCT INFORMATION

Antigen Description	Integrins are heterodimeric transmembrane receptor proteins that mediate numerous cellular processes including cell adhesion, cytoskeletal rearrangement, and activation of cell signaling pathways. Integrins are composed of alpha and beta subunits. This gene encodes the alpha 8 subunit of the heterodimeric integrin alpha8beta1 protein. The encoded protein is a single-pass type 1 membrane protein that contains multiple FG-GAP repeats. This repeat is predicted to fold into a beta propeller structure. This gene regulates the recruitment of mesenchymal cells into epithelial structures, mediates cell-cell interactions, and regulates neurite outgrowth of sensory and motor neurons. The integrin alpha8beta1 protein thus plays an important role in wound-healing and organogenesis. Mutations in this gene have been associated with renal hypodysplasia/aplasia-1 (RHDA1) and with several animal models of chronic kidney disease. Alternate splicing results in multiple transcript variants encoding distinct isoforms.
Immunogen	ITGA8 (NP_003629, 836 a.a. ~ 935 a.a) partial recombinant protein with GST tag. The sequence is SDTILEVGWPFSARDEFLLYIFHIQTLGPLQCQPNPNINPQDIKPAASPEDTPELSAFLR NSTIPLHLVRKRDVHVVEFHRQSPA KILNCTNIECLQISCA
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ITGA8 integrin, alpha 8 [Homo sapiens (human)]
Official Symbol	ITGA8
Synonyms	ITGA8; integrin, alpha 8; integrin alpha-8;
Entrez Gene ID	8516
Protein Refseq	NP_001278423
UniProt ID	B4DN28
Chromosome Location	10p13
Pathway	Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Cell adhesion molecules (CAMs); Dilated cardiomyopathy
Function	metal ion binding;
